

ةم ال س ل ا ت ا م و ل ع م ج ذ و م ن COANTE

ان ت ا ع و م ج م ع ي م ج ل ح ل ا ص .

coante.com





ةم دق م

Coante قبيبطت تاي لم ع إن "Coante Mineral Surfaces" تاجت نم بيكرتو ةجالعمو ةلوانمو نيزختو لقن ب قلعتت تايصوتو ةمهم تامولعم ىلع ليلدلا اذو يوتحي تاي لم ع ل حارم عيجم حرش متي ال، كلذل، Coante تاجت نم ةمزاللة فيفاضلإا ءدابم ل او تاي نقتل ليلدلا اذو حضوي. عي بطلال رچجال تاقبيبطتل ساسا لكشب ةبشم تاجت نم زيمت نيب عمجال لال خ نم ءالمع ل اعقوت ىلع أة ب ل تىل ليلدلا اذو يف ةدراول تايصوتل او تامولعم الفدت. ليصفتلاب ةجالعم ل م.كتاراهمو م كتربخو "Surfaces"

صئاصخالا ةينقتالا

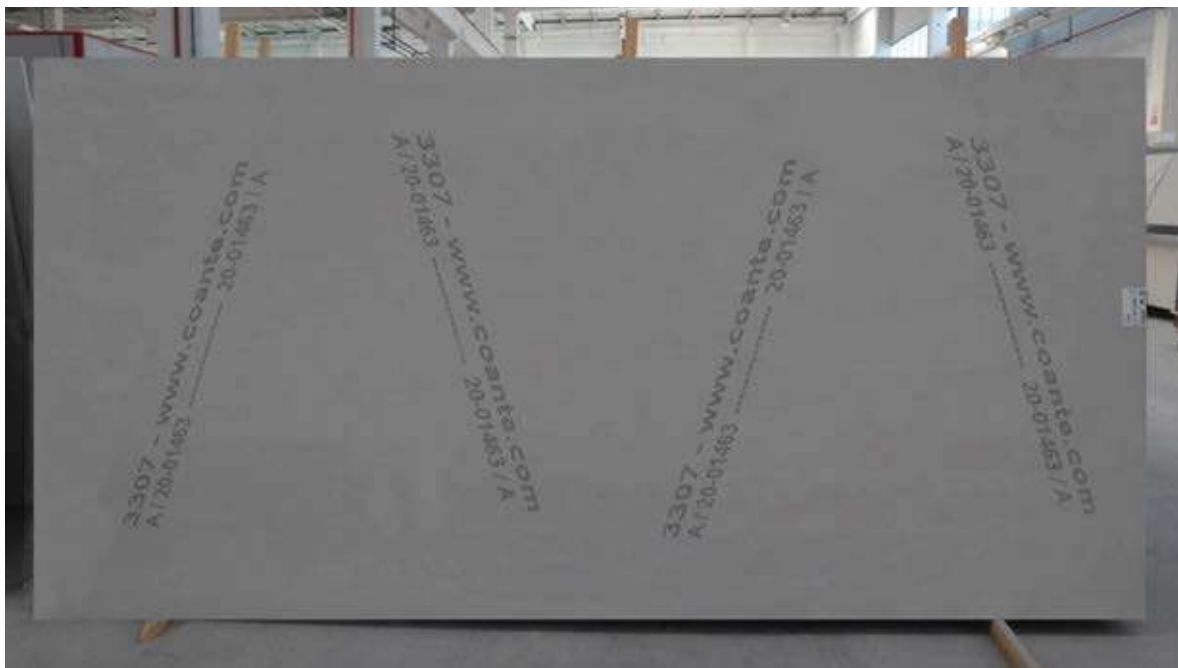
رابتخالا م سا	رايعملا	ةدحولا	رابتخالا جئاتن
ةيئاي زيفالا صئاصخالا			
رهظملا	-	-	ةعونتم ناولأب - ةدحاو ةعطق حول
ةحئارلا	-	-	ةحئارلا مي دع
ءاملا صاصملا	EN 14617-1	%	< 0,05 W4
ةيره اظلالا ةفاثكلا	EN 14617-1	م ³ /س	2-2,5

ةمواقملا صئاصخالا			
ءانح نالا ةمواقم	EN 14617-2	MPa	>35 F4
تامدصللا ةمواقم	EN 14617-9	لوج	>3.4 (20 mm)
لكآتلا ةمواقم	EN 14617-4	م	≥28 A4
قالزناللا ةمواقم	EN 14231	PVT	19 بطر / 41 فاج
سهوم ةدالصل	EN 101 /ASTM C1895	سهوم	7
ةقصاللا داوملل قاصتللا ةمواقم	EN 12003	MPa	4,20
(لبودلا ةحتف) تي بئثتلا ةحتف ةمواقم	EN 14617-8	N/mm	92 (875N d1 طسوت م 9,5 mm، طسوت م 27 mm)
ةيئابرهكلا ةمواقملا	EN 14617-13	Ωm	2,40 × 10 ¹²

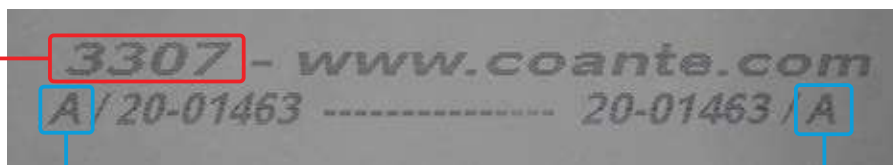
ةيئاي ميكللا صئاصخالا			
ةيئاي ميكللا ةمواقملا	EN 14617-10	-	C4

ةيرارجللا صئاصخالا			
يرارجللا ددمتلا	EN 14617-11	1/Δ°C	19,7 * 10 ⁻⁶
ةيرارجللا ةمدصللا ةمواقم	EN 14617-6	%	>94
نابوذلاو دي مجتلا ةمواقم	EN 14617-5	%	>90

ةمالسللا صئاصخالا			
قيرجللا حاجت لعفللا در	EN 13501-1	-	B ff-s1 (B fl-s1)



جت نمل زمر



ةدوجل ةئف

ةم ال سل او ةحصل ا تامي لعت

اهب ي كرت وأ اهتج لاعم وأ تاجت نمل لقن ءانثأ ةيراسل اتاعيرشتلاو ةيلحمل ةينهمل ةم ال سل او ةحصل ا حائل ب أمئاد مازتلالا بجي ةمدخت سمل تادعمل او تاودائل ةعنصلم تاكلرشل لبق نم ةمدقم ل تامي لعتلاو م ادخت سال ةلدأ عبت ا جحص لكشب لمعتو ةديج ةلاح يف تادعمل نأ نم دكأت

اه عفر واهلقنو حاوأل ال نيزخت ءانثأ نام ةفاسم يل ع ظفاح ةي صخشلا ةي امجل تادعم مدخت سا. نحشل او لقنلاو نيزختلا ءانثأ أمئاد حاوأل ا تي بثت نم دكأت لمعل اعق اوم وأ شرولا يف عي نصللا ءانثأ أي مازلل عم سل اتايقاو م ادخت سا دعي و. نام ةي ذحأو ةبسانم تازافقو ةي قاو تارظن م ادخت سا أمئاد بجي وأ عطقب أدب مقن ال. نيئرلاو قلحلاو فنأل او يسفننل زاهجلا يف ةريطخ أراض أو آجيهت ببسي دقو الكي ليل سل ال ع Coante رابغ يوتحي أعانق أمئاد دتار، ةجل لاعملا ءانثأ. اوهل يف تائي زجل ليل لقتل بطرلا عطقل تادعم أمئاد م دخت سا. أفاج Coante تاجت نم عي ملت وأ ليكشت لمعل ا قطنم يف ةي فاك ةي وهت دوجو نم دكأت و رابغلل

Coante. ب صاخلا ةم ال سل ا تامول عم ج ذومن نم 16 ةحصل ال ل عوجل ا جري، تامول عمل نم دي زم

حاولأل لقنو ني زخت

أمئاد بجي. ةيولعل اعفارل امدختساب، ةمزحأ وأ كباشم وأ صاخ تاقلحلمب ةدوزم ةيكوش تاعفر امدختساب Coante حاولأل غيرفتو لي ماحت بجي ني بؤدم دارفأ لبق نم طقف اهليلغشت متي نأو تاعفرال ةيرودلا ةنايصلالء ارجل نم دكأت. اهب لومعملل حاولالو تاعفرل امدختساب لي غنصم تامليلعتب مزللال

2. ةحفلل ايل لودجلال لىل ءوجلرل ايل جري، ةمدختسامل تاعفرلل عفرلا ةردق دي دحتل. ةكاملالو داعبالا بسح Coante حاولأل نزلو فللخي

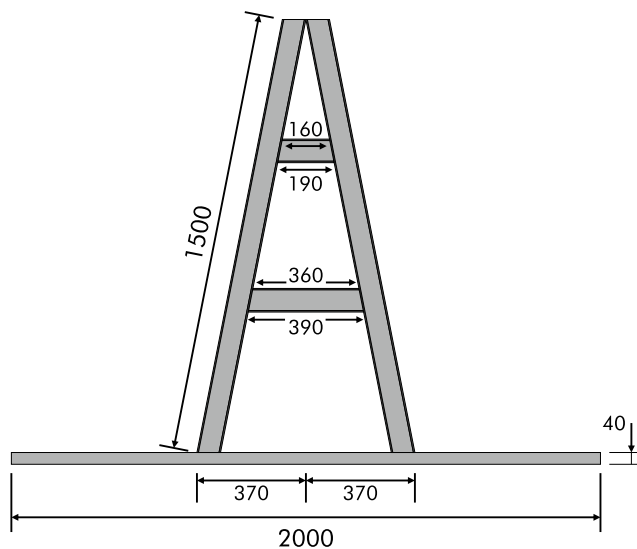
رهظل ارهظ وأ ءول أهو اهعضو بجي، حاولأل ةدع لقن دنع. ني جوز لكش لىل ع وأ يدرل لكشب حاولأل لقن بجي

بس نأل لولل حاولأل فوفر وأ (A لكش لىل لمل اء) A-frame ةمظنأ دت. ءانحالل عنم ةقيرطب حاولأل ني زخت بجي

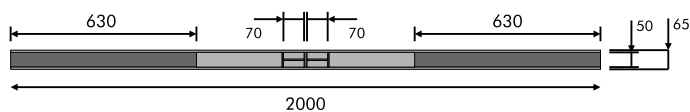
حاولأل ءانحالل لىل ءطاخالل ني زختل وأ ةبسانم لريغ فوفرل ايل دؤت دق

15° و 7° ني جوارتت ةيوازب ةي ةومع ةي عضوب حاولأل سى دكت بجي

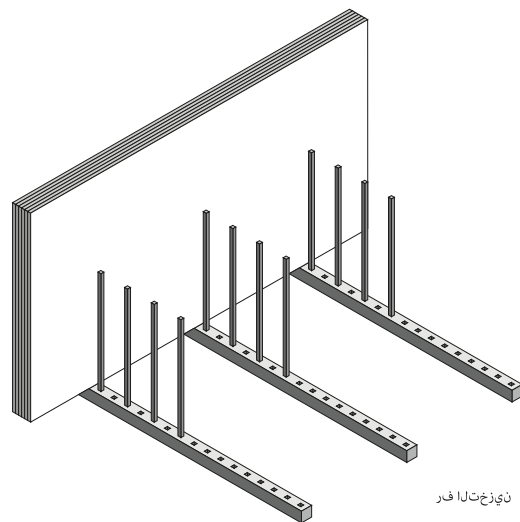
بجي امه ني ب م 180 ةفاسمبو م 150 عافترا لىل ع، لقالا لىل ع ني تم اء ةطساوب حاولأل م عد بجي، (ءءاو آعوبسأ زواجتى ال) دمأل رى صق ني زختل ةيواسم حوللل فاوحو تامءلل ني ب ةفاسملا نوكت نأ بجي و، ةمءلل لىل ع يكرم لكشب حاولأل عضو



ءونلا نم لمل ايل ب ناچل رظنم لىل



ءونلا نم لمل ايل يولع ل رظنم لىل



ني زختل فر

عمال ئدابملا

Coante عطق طبرل قىبىتلا يفة نرم قساول مادختسا بجى كلذل. ةرارحل ةجرد تاريغت ببسب شمكنيو ددمتي Coante نإف ئيرم ريغ هنا نم مغرلا يلع مادختسا زوجي ال. 100% ةبسنب نوكليليس قساول مادختسا بجى يرخا داوم عم Coante قصلو، رتسيلوبلا يلع ةمئاق قساول مادختسا بجى ضعبال اهضعب بفرظي أ تحت Coante عم (يعيبطلار روجل قساول وأ ةيتنم سإل قساول لثم) ةبلصل قساوللا

هذه عي نصت نكمي. ةيفاك لمحت ةردق نامضل مس 4 نع لقي ال ضرعب معد طئارش مادختسا بجى، ةجاجل دنع. نئازلخا قوف نيتم لكشب لمعل حطسأ معد بجى دق تي نارجل وأ اخرلا لثم ةبلصل داوم نم ةعونصل م عدلا طئارش نإ. يرحبل يقيئارللا بشخل لثم ةنيتم نكلو ةنرم داوم نم وأ Coante حولأ نم طئارشللا تاققشت ثودح يلدؤت و Coante حطسأ يفة آدهج ببست

داوملا عيمج نوكت نأ بجى. ةدحاو ةعطقك L فرح لكش يلع حطسأ لمي مصت يغبني ال. حطسالا اهتاهي ريغت يةطقن لك دنع لصال دوجو بجى مادختسالل ةبسانم و ةنصل م لكشال سفن نم (غابصأ او تابصل م او رتسيلوبلا قساول لثم) بيكرتلاو عي نصتلا ءانثأ ةمدختسملا ةيئاي ميكللا كرتشملا

أمئاة ةيئاد فواح تاذا U / L لكش يلع حطسأ للة يلع خادلا ايوزلا وأ تاصقلا وأ بوقثلا نوكت نأ بجى

ةيوازلا طيحم يقبي نأ بجى و، عطقلا ءارجل م بقت لمع أل أو بجى، ايوزلا يفة ايوزب عطق قىبىتلاو بوقثلا نم يريط عطق ءارجل بجى ال. عاطقنا نودألصتم يلدؤت دقو حوللا يفة داهج اطان قلخت ةداحلا ةيلخادلا ايوزلا. (ةعبرم) ةمئاق تاققشت ثودح.

خلجلالو عطقلاو رفحلا تاي لمع ذي فننت بجى، حولألا ةرارح ةجرد عافترا بنجتلا ءاملاب ةدربم تادعم مادختساب طقف عيملتلاو

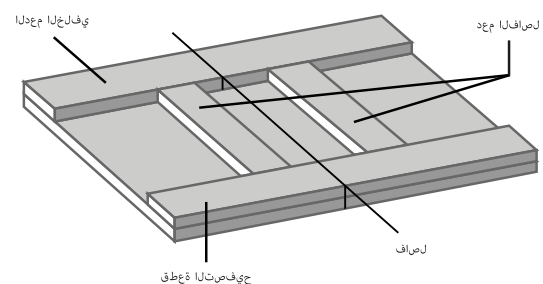
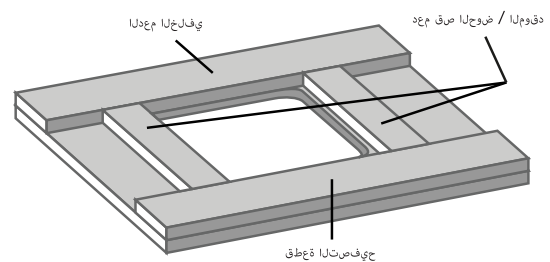
روك/رفح شيرو صارقأو راشنم تارفش مادختسا بجى، زتراوكل حطسأ ةجلال عم ضرغلا اذهل اصيصخ ةمصم وأ ةنصل م لكشال لبق نم اهب يصوم عيملت تاداسوو

وأ ةرفنصل وأ عيملتلا ةداعلا لالخ نم حولألل ةنصل م حطسالا ريغت يغبني ال حالصلل ةلباق ريغ ارارضأ ببست تاي لمعلا هذه نأل، ءالطلا وأ غني نوهلا وأ خلجلال حوللل حطسالا

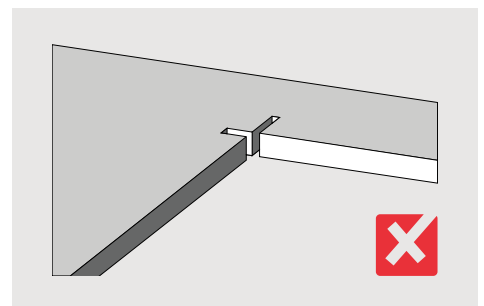
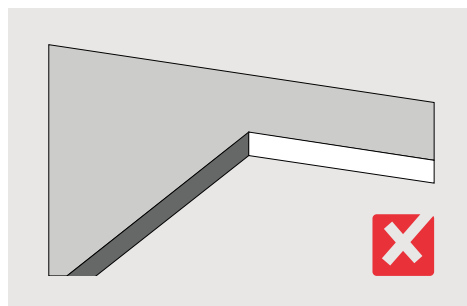
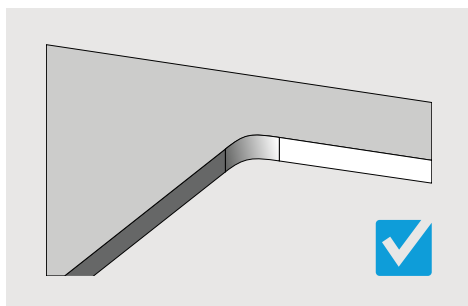
تافظنم وأ ةطشاك تاداسو وأ يندعم جنفسا مادختسا بجى ال: Coante حطسأ يلع لقأ وأ 8.5 نم يلعأ ةضومح ةجرد تاذا ةيئاي ميكل داوم وأ ةقيقد تاي بيبح يلع يوتحت 5 نم

ةمظنأ وأ ةجمدملا نارفالو لمعل حطسالا نيبي يرارح لزع ةقبط مادختسا أمئاد بجى ةرارح رصت ةلثامم ةزهجأ يفة دي ربتلا ةزهجأ وأ راخبل تادعم وأ يرام نبل

معدلا طئارش: (3 م سرلا)



ةيلخادلا ةيوازلا عطق ليصافت: (4 م سرلا)



عني نصتلا بي كرتلاو

حاولألا طي طختو صحف

رمألا مزل اذا حطسلا فآظنو. حوللا حطس نم يقاولا ملي فالال ةلازاب مق

ةفلتخم اي اوز نمو ةيفاكة ةاضل تحت حطسلا ةدوج نم ققحت

يتلا حاولألا ليضفت بجيف، لمعل سفن يف حول نم رثكأ مادختسا مت اذا. ةفلتخم مل جاتنإلا خيراوت تاذا حاولألا نيب نوللا يف تافالخال رهظت دق اهضعب بناجب حاولألا عضو لالخنمو ةاضلإلا فورظ سفن تحت ناولألا قفاوت نم ققحتلا بجيف، أنكمم كلذ نكي مل اذاو. ةعفلدلا مقر سفن لمحت عرضعلا

أعم اهبي كرت متيس يتلا حاولألا نيب ةكاسلا قفاوت نم ققحتلا بجيف. مم ±1.5 ةكاس ةيحامسب Coante حاولألا عتمتت

رثكأ تافالخال هذه نوكتو. حاولألا نيبو دحاولا حوللا لخاد تافالخال ببسي دق امم، طامنألاو تابي بحلل يئوشع عيزوتب Coante حاولألا زيمتت طي طختلا ةلحرم ةانثأ رابتعالا نيب طم نلاو نوللا تافالخال ذخأ بجيف. امخرلا قورع طامنألا يف ةصاخ أحوضو

نم للقي دق امم، عطقلا ةلواط يلع حيحص لكشب رقتست ال دق ةي نحنملا حاولألا. حاولألا يف (warp) ةانحنأ ثودح يلإ بسانملا ريغ نيزختلا يدؤي دق ةي لمعل ةانثأ تاققشت ثودح يلإ يدؤي وأ عطقلا ةدوج

ةي لمعل يف ةدبال بجي ال. لمك لو طبة رطسم مادختساب، لمك لاب موعدمو بلصو وتسم حطس يلع يقفأ لكشب حوللا عضوب ةانحنالال صحف ةارجل بجي

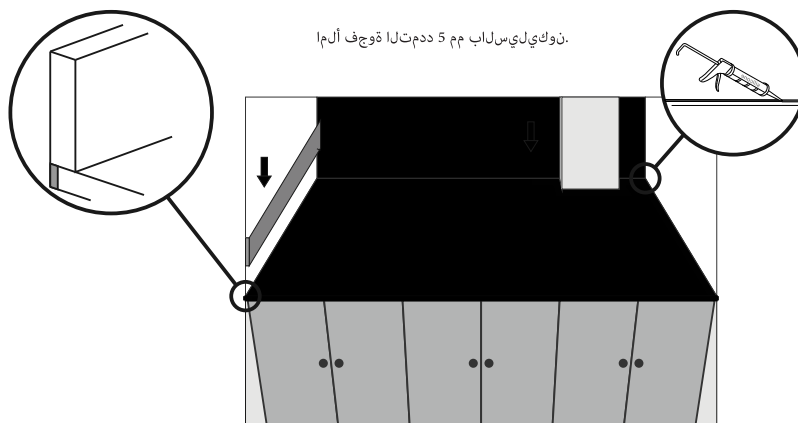
سايقلا

يفلخل رادجالابو وضعبلا اهضعب ةتبثموتب تباث لكشب ةعوضوم نئانخلال أن نم دكأت

1.0 ةاصقأ ةيحامس دح نمضو ةيوتسم لمعل حطس لمحت يتلا ةيلفسلا حطسألا نوكت أن بجيف. ةنزوتمو ةيوتسم نئانخلال ةيولعل حطسألا أن نم ققحت تاققشت ثودح يلإ يدؤتو حطسلا يف داهج طاقن ببست دق ةيوتسملا ريغ نئانخلال. مم 3000 لك مل

ةي دوعمو ةيقتسم ةيلفسلاو ةيولعل نئانخلال نيب ناروجل أن نم دكأتلا أضيأ بجيف، (backsplash) ةلمكلا ةيلفلخال ةهجالا تاقبي بطت يف

يرارحلا ددمتلا ةوجف: (5 م سرلا)



يرارحلا ددمتلا ةي رورض ةوجفلا هذه. ناروجل لمعل حطس نيب تاهاجتالا عي ج يف مم 5 اهراقم ةوجف كرت بجي

نبي اي نندلا ةفاسم ل نوك نأ بجي .يه طلا دقووم و ضوح ل تاصق عقاوم ددح
م.س 5 تاصق ل نبي و لم ع ل حطس ل ةي فلخ ل او ةي م أ ل ف او ح ل

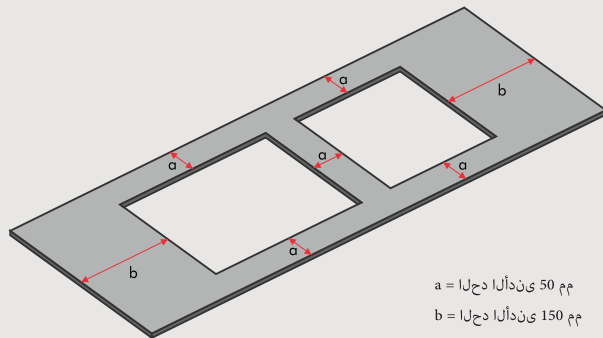
مدع لاح في م.س 15 يه لصاوف ل او دقووم ل /ضوح ل تاصق نبي اي نندلا ةفاسم ل
اهم عدو ةن اذخ ل لك يه عم لصاوف ل اذاح م بجي ، ةفاسم ل هذ ه ق ي ق ح ت ةي ن ا م
م.د طئ ا ر ش ب

ضوح ل تاصق تاهاجت ا عي م ج في م 4 رادق م ب ي رار ح دمدت غارف كرت بجي
دقووم ل او

نوح ص ل ة ل اس غ ن ا م ا ي ف لصاوف ل ع ضو بنجت بجي

ء ا ج أ ل ب ي ك ر ت ة ق ط ن م ل ل و ص و ل ا ةي ن ا م ل ة ا ع ا ر م بجي ، طي ط خ ت ل ا ء ا ن ث أ

(6 م سر ل ل): دقووم ل او ضوح ل تاصق ل ةفاسم ل ل نندل ا دح ل



ع ن ص ت

ع ط ق ل ا

ح و ل ل ا د ي ر ب ت ل ا م ل ن م ة ر م ت س م و ة ر ي ف و ة ي م ك م ا د خ ت س ا ب ج ي . ط ق ف ء ا م ل ا ب ل م ع ت ت ا د ع م م ا د خ ت س ا ب ع ي م ل ت ل ا و خ ل ج ل ا و ع ط ق ل ا ت ا ي ل م ع ع ي م ج ذ ي ف ن ت ب ج ي
ة ج ل ا م ل . ء ا و ه ل ا ي ف ا ك ي ل ل ي س ل ا ر ا ب غ ر ش ن ي و ة ق ي ق د ت ا ق ق ش ت ب ب س ي و ح و ل ل ا ة ي ن ب ب ر ض ي د ق ا م ، ة د ئ ا ز ة ر ا ر ح د ي ل و ت ل ا ف ا ج ل ا ع ي م ل ت ل ا و ع ط ق ل ا ي د ؤ ي
ت ا د ع م ل ل ي غ ش ت ب ج ي . ض ر غ ل ا ا ذ ه ل ا ة ص ص خ م و ا ة ع ن ص م ل ل ة ك ر ش ل ل ل ب ق ن م ا ه ب ي ص و م ر و ك / ر ف ح ش ر ي و ص ا ر ق ا و ر ا ش ن م ت ا ر ف ش م ا د خ ت س ا ب ج ي ، ز ت ر ا و ك ل ا ح ط س ا
ة ع ن ص م ل ل ة ك ر ش ل ل ل ب ق ن م ة د د ح م ل ت ا ه ا ج ت ل ا و ت ا ع ر س ل ا ق ف و

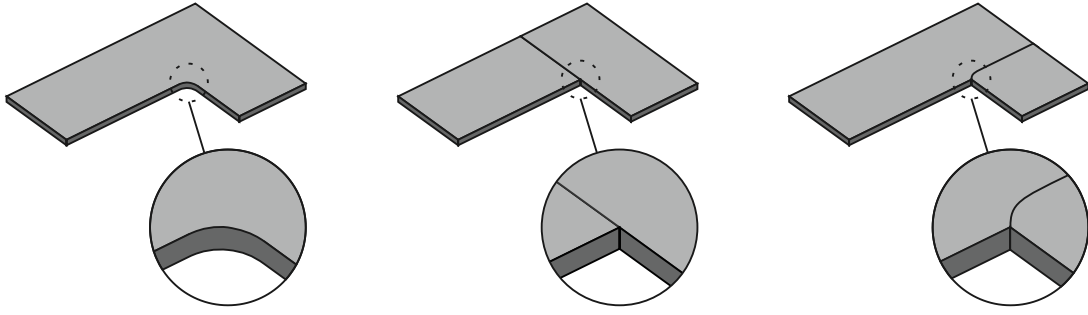
ف ا و ح ل ا ة د و ج ن م ل ل ق ي ا م ، ع ط ق ل ا ر ا ث آ و ف ا و ح ل ا ر س ك ت ب ب س ت ء ا ج ا ذ ق ت ف ت ي ت ل ا و ا ة ي ل ا ب ل ا ص ا ر ق ا ل ا . ا م ئ ا د ة د ي ج ة ل ا ح ي ف و ة د ا ح ت ا و ا م ا د خ ت س ا ب ج ي
د ق و ع ط ق ل ا ة د و ج ل ل ع ا ب ل س ر ث و ت ت ا ع ا ر ف و ا ت ا و ت ن ي ا . ط ا ق ن ل ا ع ي م ج ي ف ح و ل ل ا ل م ك ا م ع د ر ف و ت و ة ي و ت س م ع ط ق ل ا ة ل و ا ط ن و ك ي ن ا ب ج ي . ل ص ا و ف ل ا و
ت ا ق ق ش ت ب ب س ت

ح و ل ل ل ي و ط ل ا ب ن ا ج ل ا ن م ع ط ق ل ا ء د ب ب ج ي . ا ر و ف ل ك ا ش م ي ا ة ج ل ا ع ا م و ر ا ت م ا 3 ن ع ل ق ي ا ل ل و ط ب ة ر ط س م م ا د خ ت س ا ب ا ي ع و ب س ا ع ط ق ل ا ة ل و ا ط ء ا و ت س ا ص ح ف ب ج ي
ح و ل ل ا ف ص ت ن م ن م س ي ل و ف ا و ح ل ا ن م ا م ئ ا د ا د ب ي ن ا ب ج ي و

ع ط ق ل ا ء ا ر ج ا م ث ي ر ئ ا د ب ق ت م ع ا ل و ا ب ج ي ، ة ي ل خ ا د ل ا ي ا و ز ل ا ي ف . ل ص ا ف د و ج و ع م ن ي ت ع ط ق ل ا ل . فرح لكش ل ع ل م ع ل ا ح ط س ا ع ط ق ب ج ي

ة ف ر ع م ل 9 م سر ل ا ل ل ا ع و ج ر ل ا ي ج ي . ت ا ق ق ش ت ب ب س ت د ق و ا ي ل ا ع ا د ا ه ج ا د ل و ت 90° ة م ئ ا ق ل ا ا ي ا و ز ل ا . ب ق ت ل ا ب ة ط ي ح م ل ا ة ق ط ن م ل ا ف ا ل ت ا م د ع ب ج ي ، ع ط ق ل ا ء ا ن ث ا
ة ب و ل ط م ل ا ر ا ط ق ا ل ا ف ا ص ن ا ل ن د ا ل ا د ح ل

م 10 ه ر ط ق ف ص ن ل ص ا ف ب و ا م ي ق ت س م ل ص ا ف ب ن ي ت ع ط ق ن م ة ن و ك م ل a فرح لكش ل ع ل ح ط س ا ل ل ي ص و ت ن م ك ي



دق و م ل / ضو ح ل ا ت ا ص ق

ت ا ص ق ل ا ع ق و م د د ح

ت ا ص ق ل م ع م ق ت ال . ب و ق ث ل ا ط ب ر ل ة م ي ق ت س م ت ا ص ق ء ا ر ج ا ب م ق . ض و ح ل ا ت ا ص ق ا ي ا و ز ي ف م م 20 و د ق و م ل ا ت ا ص ق ا ي ا و ز ي ف م م 15 ر ط ق ب ب و ق ث ل م ع ب م ق 90° ة م ا ق ل ا ا ي ا و ز ل ا . ا ي ا و ز ل ا ي ف د ا ه ج ل ا ز ك ر ت ع ن م ل ي ر و ر و ض ه ن ا ل ، ص ق ل ل ي ل خ ا د ل ا ر ط ق ل ا ف ص ن ي ل ع ط ا ف ح ل ا ب ج ي . ع ط ق ل ا ص ر ق م ا د خ ت س ر ا ب ب و ق ث ل ا ن م ة ي ر ط ق ي ل ا ع ل ا د ا ه ج ل ا ب ب س ب ت ا ق ق ش ت ب ب س ت د ق

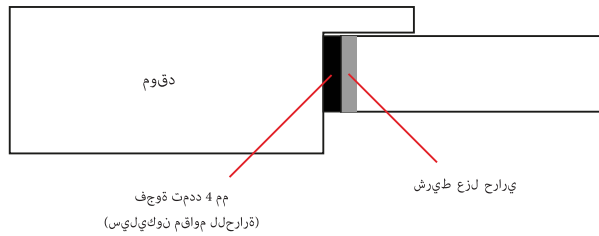
ب ش خ ل ا ن م و Coante ن م م ع د ط ا ئ ر ا ر ش م ا د خ ت س ر ا ب ل ف س ا ل ا ن م ص ق ل ا ف ا و ح ع ي م م ع د ب م ق . ص ق ل ا ة ف ا و ح و ز ا ه ج ل ا ن ي ب م م 4 ر ا د ق م ب ي ر ا ر ح د د م ت غ ا ر ف ك ر ت ا (3 م سر ل ا) ي ر ح ب ل ا ي ق ي ا ق ر ل ا

ة م ي ق ت س م ل ا ف ا و ح ل ا 90° ة ي و ا ز ب ة ي و ل ع ل ا ف ا و ح ل ا ك ر ت ب ج ي ال . 12 ة ح ف ص ل ا ي ف ح ض و م و ه ا م ك ص ق ل ا ف ا و ح ع ي م ل ت ب م ق ، ة ي ل ف س ل ا ض ا و ح ا ل ل ة ب س ن ل ا ب ة ي ل ا م ج و ة ن ا ت م ر ن ك ا ا ل ي ل ق ة ز ي د ت س م ل ا ف ا و ح ل ا ؛ ت ا م د ص ل ا د ن ع ة ل و ه س ب ق ق ش ت ل ل ض ر ع ت ت

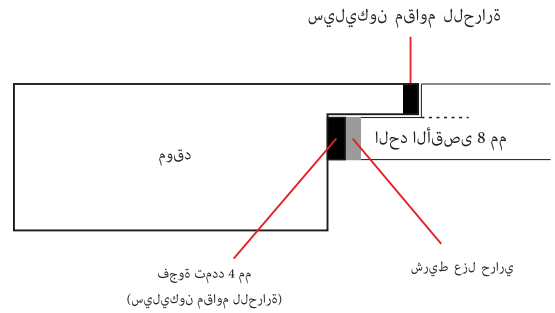
م م 8 ت ا و ن ق ل ا ق م ع ز و ا ج ت ي ا ل ب ج ي ، (flush) ة ي و ت س م ل ا ت ا ب ي ك ر ت ل ا ي ف

(8 م سر ل ا) : د ق و م ل ا و ض و ح ل ا ب ي ك ر ت

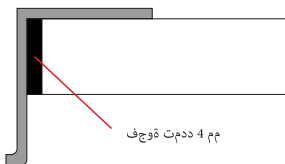
ي و ل ع ب ي ك ر ت د ق و م



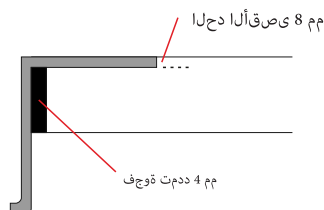
(Flush) و ت س م ب ي ك ر ت ب د ق و م



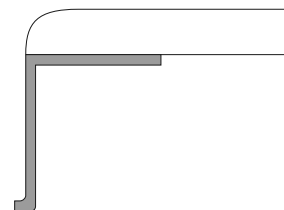
و ت س م ب ي ك ر ت ض و ح



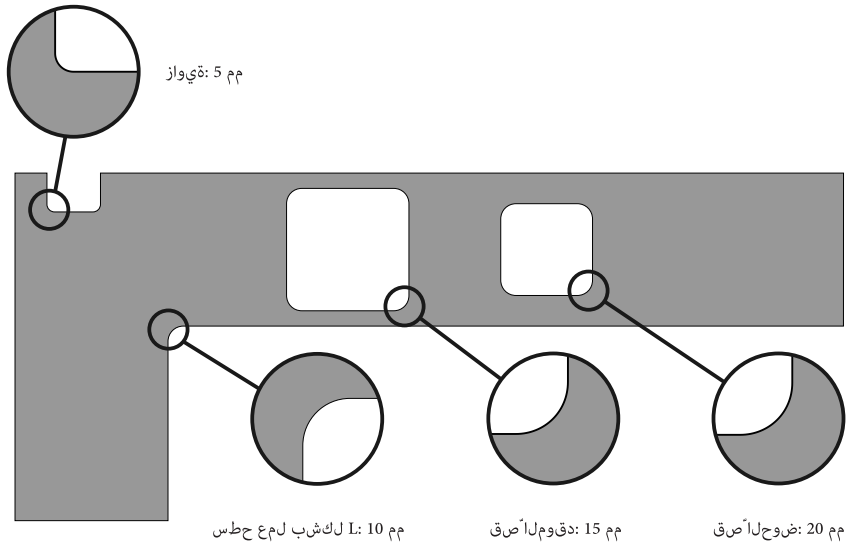
(Flush) و ت س م ب ي ك ر ت ض و ح



ي ل ف س ب ي ك ر ت ض و ح



9 م سرلا) ايندلا راطقألا فاصنأو ةيلخادلا اياوزلا



ةجود زملا ةكام سلا / حيفصتلا

ةيلصلألا حوللا ةكام س نم ةكام س رثكأ فواح ءاشنإل ةقيرط وه حيفصتلا. 30 مم و 20 مم و 15 مم تاكام سب حولأ جاتنإب Coante موقت

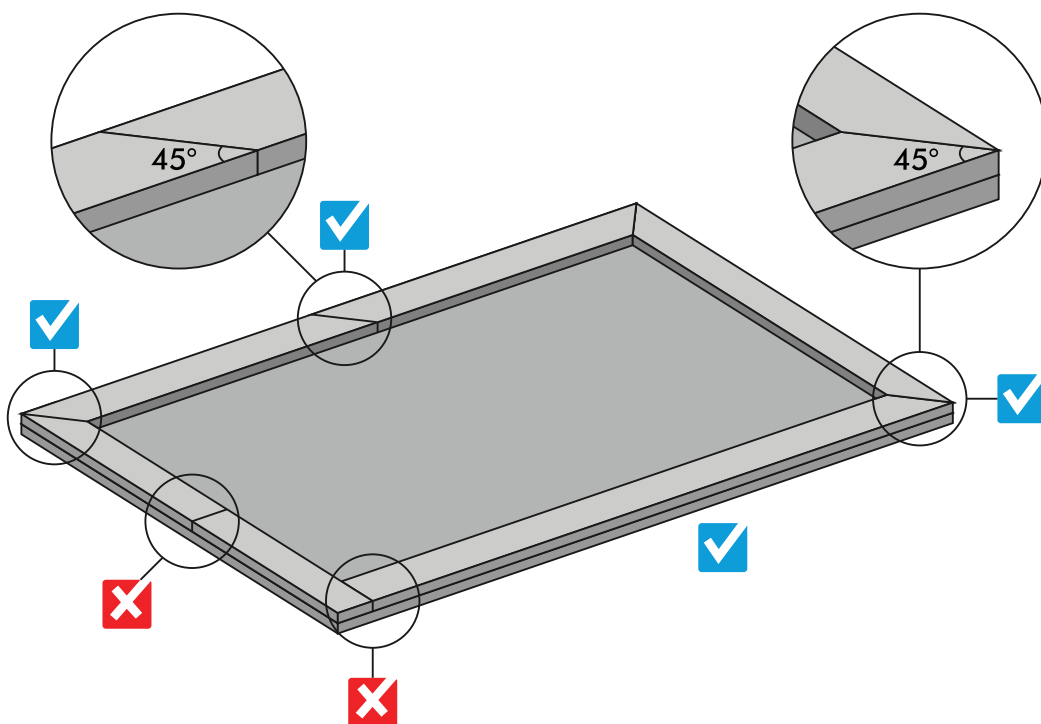
لمعلا حطسلا ةيلامألا ةفاحلا لفسأ ةداملا سفن نم ةصوصقم طئارش تيبتت قيرط نع حيفصتلا متي

حيفصتلا ءازجأ م ادختسا بجي. حطسلا يف مدختستملا حوللا سفن نم حيفصتلا ءازجأ صق متي نأ بجي، ةجردلاو نوللا يف قباطت لضفأ يلع لوصحلل لمك لو طبو ةدحو ةعطقك

45° ةيوازب عطقب اياوزلا يف ءازجألا طبر بجي امك. داهجإلا ليلقتل 45° ةيوازب نوكي نأ بجي يف، حيفصتلا ءازج يف لصف لمع يرورضلا نم ناك اذا

تاققشت ثودح يلإ يدؤت دقو داهج! طاقن قلخت حيفصتلا ءازجأ يف 90° ةيوازب ةمقيقتسملا لصاوفلا

حيفصتلا ءازجأ: (10 م سرلا)



عطق الل نيب ةقصاللا ةداملا كسامت ةدايزل ليصوتلا حطسأ يف تاونق حتفا .اياقבלاو رابغل نيم اهفيظنتو ليصوتلا حطسأ ةيوستب مق

ليصوتلا حطس لمك يلع قصاللا عض .حوللا نول عم بسانت ي امب رتسيلوبلا يلع مقئاقلا قصاللا نيولت ب مق

اهعيملتو فاوحلا فيظنت نكمي ،قصاللا فافج دعب .مس 10 لك كباشمب اهتتبت و ءازجالا قصلب مق

ةيوازب فاوح

لصتم لكشب ةيمألا ةهجالا يلى !يولعل حطسلا نيم طمنلا رارمت سا حيتي فاوحلا نيم يلامج عون يه ةلائملا فاوحلا

ةبيرق قطانم نيم وحوللا سفن نم ةهجالاو حطسلا عطق بجي ،طمنلا ونوللا ي قباطت لضفأ قيقحتل

ةفصم و ةفيظن ليصوتلا حطسأ نوكت نأو أمامت ةيزاومت نوكت نأ بجي .45° ةيوازب ءازجالا عطق بجي ،ةناتم ي صقل

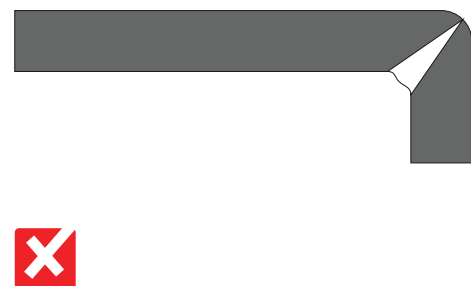
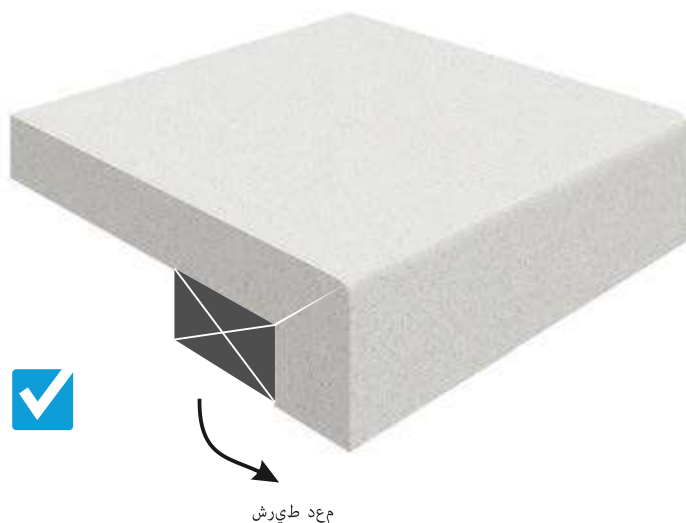
ءازجالا فعضي كلذ نأل 45° نم لقا اياوزب عطق ءارج! بجي ال .ققشتلل ةلباقو ةساسح ةيولعل فاوحلا

قاصتلالا نيسحتل تاونق حتفاو ليصوتلا حطسأ فظن

يواستلاب هعزوو قصاللا نول

ةضرع 90° ةيوازب فاوحلا .نالكم إلا ردي أقيض لصولا طخ نوكتي نأ بجي ،ةيلامج ةجيتن يلع لوصحلل .بيطشتلاب مق مٲ ،قصاللا فجي يتح ءازجالا تبت
مم 3 ريودت وأ 2-3 فطش لمعب ي صوي ؛فلتلل

ةيوازب ةفاح : (11 مسرلا)



فاوچال عيملت

ىلع لوصح لل اياق بال او رابغ ال نم ةيلاخو ةفيظن فاوچال نا نم دكأت ، عيملت ال لب ق زت راوكل حطس آل ةصصم سامأل صارقأو ةدوچال ةيلاع تادعم مدختسا ، جئاتنل لضفأ

ءالاب رمتسم دادمإ عمو طقف ةيئام تادعم مادختسا ب عيملت ال ءارجإ ب جي

ةقيقد تافقشت ىلإ يدؤي و حولل ةينب فعضي امم ، ةطرفم ةرارح ببسي فاچال عيملت ال مادختسا ب صوي ، بولطم ال عيملت ال ىوتسم ىلإ لوصولل . رسكلل وأ نولل ريغتو ليالتل لسلسلت

ةعمال حطسأ 50، 100، 200، 400، 800، 1500، 3000 grit

ةيفطم حطسأ 100، 200، 400 grit

ىصوي كلذل ؛ سكعلل ةلباق ريغ ةيلعمل او أيودي عنصلم البيطشت ةقباطم آدج بعصلنا نم **Touch حطسأ** (mitre) ةيوازب فاوچ مادختسا ب

جئاتنل فلخت دق . (RPM) ةصفخنم تاغرس مادختسا ب جي ، قوف امو 1000 grit صارقأل مدختسم ال ةربخو تادعم ال ةدوچ بسح

ةصاخال لمعل ريياعم ديدحتو ةيانعب ةيلعمل ةبقارم ب صوي

Coante حطسأ ىلع (buff) دابللاب عيملت ال مادختسا ب جي ال

ةياعم داومب اهتجالعم وأ ةعنصلم ال حطسأل عيملت ةداعإ ب جي ال

لصاوفال

حطس ىلع لوصح لل ةيمهأل غلاب أرم لأصاوفال طيخت دعي حولل لثمأل مادختساللو يلامچو نيتم لمع

لماكلاب ةمعدم وأ ةنازل لكيه قوف لصاوفال نوكت نا ب جي نم اهمعدم ب جي ، أنكمم كلذ نكي مل اذإ . يولع يقيئافر بشخب يرحب يقيئافر بشخب وأ Coante طئارشب نيبنال

نوصال ةلاسغ ةقطنم قوف لصاوفال عقت ال ب جي

(cutout) تاحتفال نيبي ايندل ةفاسم ال نوكت نا ب جي لصاوفال عضو ب جي ، نكمم ريغ كلذ ناك اذإ . مس 15 لصاوفالو همعدو لكيهال قوف

نم ةيلاخو ةيوتسمو ةفيظن لصاوفال حطسأ نوكت نا ب جي ىوتسم ال نم ققحت . كسامتال ةدايزل تاونق حتف ب جي . رابغال لصاوفال ةدوچو

وأ نحطب مقت ال . عافترال طبضل لصاوفال وأ داتو مادختسا لصاوفال ةقطنم يف حطس ال عيملت وأ ةرفنص

(نيزختل فرغ بناجب ددوجوم لثم) نينبناجل نم نئازخ يلع يوتحت ال يتل حطسأل امأ. اي اوزلا نئازخ قوف يوق لكشب لمعل حطسأ معد بجي بجي، لمعل حطس يف روبنصلل عحتف لمع يوررضلا نم ناك اذ. ةيفاضل ةيبناج حاولأو يف لخل رادجل رادجل ةتبثم تاماعد مادختساب اهم معد بجي ف. ةنامل نامضل عحتفلال لوح ةداملال نم ةيفاك ةيمك كرت نم دكأتلال.

لمعل حطس زورب

هاندا حضوم وه امك لمعل حطس زورب معد بجي

م 2 ةكاسب حاولأ	ةم و عدم) م 2 ةكاسب حاولأ م 1.5 ةكاسب يقئاقرب شخب (م)	م 3 ةكاسب حاولأ	معدلا تابلطتم
م 20 نم لقأ	م 30 نم لقأ	م 40 نم لقأ	أمعد ببلطتي ال
م 20-40 ني ب	م 30-50 ني ب	م 40-60 ني ب	م 60 لك ةي ندعم ةماعد
م 40 نم رثكأ	م 50 نم رثكأ	م 60 نم رثكأ	م 60 لك لجر وأ دومع، ةي دومع ةماعد، حول

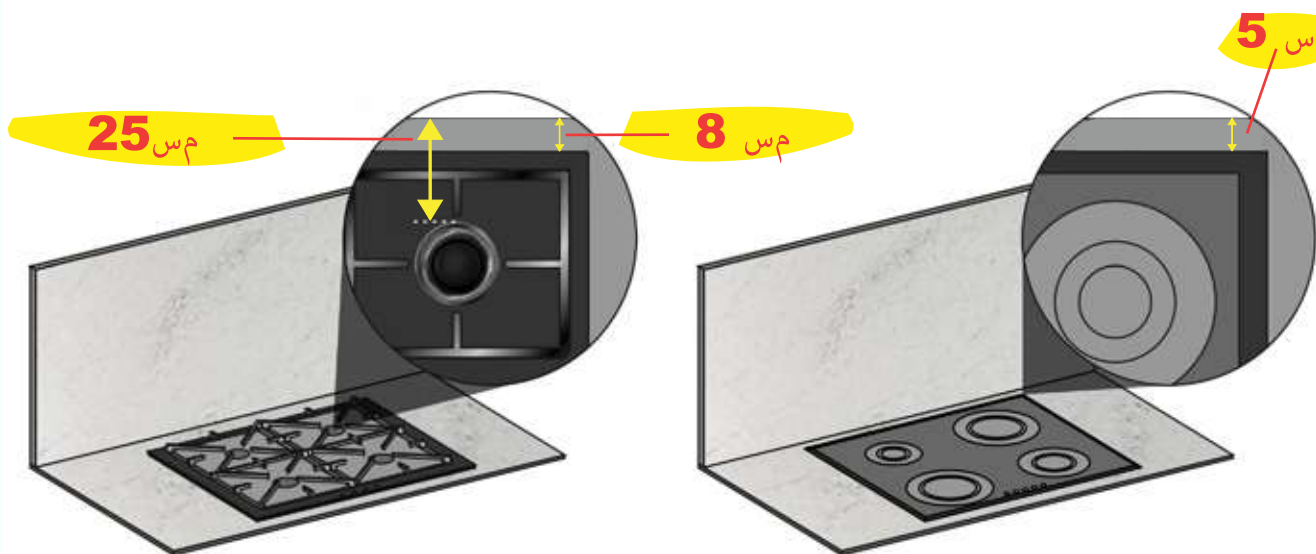
نم ةيفلخلال نارجلال تاوسك دعت

اهبكرت نكمي هنأ امبو. ةنايص ببلطتت الو اي نند لصاوف عم لمعل حطس عم أي لامج أمغانن رفوت تاقيبطت Coante نم ةيفلخلال نارجلال تاوسك دعت لزانملا باحصال تقولا رفوت هناف، ببكرتلال قيرف سفن لبق نم مويلا سفن يف

ةفدلال مقرر سفن لمحت حاولأ مادختسا وأ حوللال سفن نم يف لخلال رادجلال ةوسكو لمعل حطس صق بجي، ةجر دلاو نوللال قفاوت نامضل

ةيئايميكلال داوملاو خاسوألاو رابغلال نم ةيلاخو؛ ةي دومعو ةيوتسم نارجلال نوكت نأ بجي

يفلخلال حطسلا حولو دقوملا ني بتافاسملا

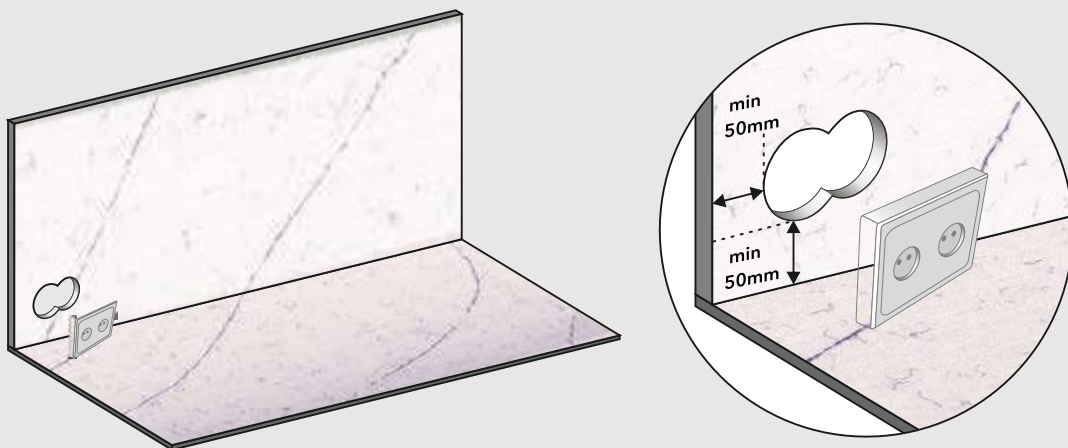


نأ بجي امك. زاغلل دقاومل م 8 و ةيثلحلا دقاومل م 5 دقاومل ةفلخلال ةفاحلاو (backsplash) يففلخلال حطسلا ةحول نيب ايندلا ةفاسملا نوكت نأ بجي م 25 يففلخلال حطسلا ةحولو زاغلل ةلعش طيحم نيب ايندلا ةفاسملا نوكت

يرارحلا ددمتلا لمحتي ال صقلا نم عونلا اذه نأل، ةيففلخلال حاوألأل يف "L" لكش يلع تصق لمع بجي ال

نم ألذب وأ ةريبك ةدحاو ةيرئاد ةحتف لمع نمكي، سباقملا تاحتفل ةبس نلاب. ةريدم يففلخلال حاوألأل يف تاحتفلل ةفلخلاللا اياوزلا نوكت نأ بجي (cross cut) عطاقتم عطق ذي فنن الو 90° اياوزب ةليطتسم تاحتف لمع بجي ال. عطاقتم ةيرئاد تاحتف ةدع لكذ

ايندلا تافاسملاو عطقلا تاغراف: (13 م سرلا)



م 50 تاحتفلا نيب كلذكو يففلخلال حاوألأل ةفاح يل تاحتفلا نم ايندلا ةفاسملا نوكت نأ بجي

رادجال يلع يففلخلال حاوألأل تيبتتل 100% نوكليليس مدختسا

ةداملا نيولت مقي. ةمزالال تاليدعتلا ءارجو ةجيتنلا نم ققحتلل ةقصال ةدام نودب اهنكامأ يف عطقلا عض، قصلال لبقي، لصاوفلا تاقبيطت يف، ةيلاثم ةاذامو ناكمإل رديق ةقيض لصاوف يلع لوصحلل. دي ج لكشب ةقصاللا ةداملا قَبَطو لصاوفلا حطس فَاظن. حاوألأل نول عم بسانتتل ةقصاللا يفارثحا لصاوف ةاذام ماظن مدختسا

لمعلا حطسو يففلخلال حاوألأل نيب 100% نوكليليس قَبَط، لزعلل

أديج هفطشاو لوناتياو وأ يليربوربوزي لوك وأ نوتيسألأاب حطسلا فَاظن. ةيكيستسالاب ةقعل م وأ ةمعان شامق ةعطق ةقصاللا ةداملا اياقب فَاظن

فيظنتلا

طقف فيفخ نوباصو ئفاد ءام عم ةمعان شامق عطق مادختساب ةلوهسب فَاظن

حطسأل ءنراقم

		زت راوك لال حطسأل	يعي بطلا رچ لال حطسأل (م اخ رل/ت ين ارچ لال)	ت ين يم ال/ ءبل لص حطسأل	ك لي ليرك أ حطسأل	ك يم اري س حطسأل
	شدخ لال ءمواقم	✓	✓			✓
	ءانحن لال ءمواقم	✓				
	رسك لال ءمواقم	✓			✓	
	ءيءئ ايم يك ءمواقم	✓			✓	✓
	ءيم اسم ريغ ءيءئ ب لئ اوس لال ءمواقم	✓		✓	✓	✓
	عقب لال اب ظفتحت ال	✓			✓	✓
	ءفاظن لال	✓			✓	✓
	ءنايصلال ءلوهس	✓				✓
	ءرارحلال ءمواقم	✓	✓			✓
	نوللال تابث	✓		✓	✓	✓

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Solid
Trade name : Coante Quartz Surfaces

Identified uses of the substance or mixture and uses advised against:

Use of the substance/mixture : Quartz surfacing designed for use indoors, particularly kitchen countertops and bathroom vanities, flooring, cladding and other similar uses

1.3. Details of the supplier of the safety data sheet

Ermaş Madencilik Sanayi Turizm Ticaret Anonim Şirketi (Coante Quartz Surfaces)
Paşapınarı Neighborhood Commercial Area 4th Street No:14 Menteşe
Muğla-Türkiye
T: +90 252 225 51 52 Fax: +90 252 242 37 48
www.coante.com e-mail: info@coante.com

1.4. Emergency telephone number

Ermaş Madencilik Sanayi Turizm Ticaret Anonim Şirketi (Coante Quartz Surfaces)
Paşapınarı Neighborhood Commercial Area 4th Street No:14 Menteşe
Muğla-Türkiye
T: +90 252 225 51 52 Fax: +90 252 242 37 48
www.coante.com e-mail: info@coante.com

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013.

Skin Irrit. 2 Category 2 :H315
Skin Sens. 1 Category 1 :H317
Aquatic Chronic 3 Category 3 :H412

Adverse physicochemical, human health and environmental effects : To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013.

Pictogram



GHS07 GHS08 GHS09

Signal word (SEA) : Warning

Hazard statements (SEA)

:
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H335: May cause respiratory irritation.
H350: May cause cancer.
H372: Causes damage to organs through prolonged or repeated exposure (inhalation).
H412: Harmful to aquatic life with long lasting effects.

Precautionary statements (SEA)

P201 : Obtain special instructions before use.
P202 : Do not handle until all safety precautions have been read and understood.
P260: Do not breathe dust or fumes.
P264: Wash hands and face thoroughly after handling.

- P270: Do not eat, drink or smoke when using this product.
- P271: Use only outdoors or in a well-ventilated area.
- P272: Contaminated work clothing should not be allowed out of the workplace.
- P273: Avoid release to the environment.
- P280: Wear protective gloves, clothing, eye and face protection.
- P284: [In case of inadequate ventilation] wear respiratory protection.
- P285: In case of inadequate ventilation, wear respiratory protection.
- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- P314 – Get medical advice/attention if you feel unwell.
- P333 + P313: If skin irritation or rash occurs: Get medical advice/attention.
- 362 + P364 :Take off contaminated clothing and wash it before reuse.
- P501: Dispose of contents/container in accordance with local regulations.

Disposal

2.3. Other hazards

Other hazards not contributing to the classification
No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013.
Quartz, Quartzite, Silis kumu Cristobalite	(CAS No 14808-60-7 (CAS No) 14464-46-1	0-93	Stot Re. 1 (H372) Carc. 1A, (H350)
Glass chips	(CAS No) 14808-60-7	0-93	Not determined
Mirror chips	(CAS No) 65997-17-3	0-45	Not determined
Other silicate minerals	-	0-93	Not determined
Titanium Dioxide, pigment	(CAS No) 13463-67-7	0-4	Carc. 2 (H351)
Inorganic oxide high temperature pigments	-	0-4	Eye Irrit. 2 (H319) / STOT SE 3 (H335)
Unsaturated polyester resin (Styrene)	Stiren (Cas No) 100-42-5	7-16	Flam. Liq. 3 (H226) / Acute Tox. 4 (H332) / Skin Irrit. 2 (H315) / Eye Irrit. 2 (H319) / STOT SE 3 (H335)

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water.
- First-aid measures after eye contact : Rinse eyes with water as a precaution.
- First-aid measures after ingestion : If you feel unwell, call a poison center or doctor / physician.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Hand protection : Protective gloves

Eye protection : Safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Color : Various

Odor : Odorless

Odor threshold : No data available

pH : No data available

Relative evaporation rate (butyl acetate=1) : No data available

Melting point : 1,958*10⁻⁵ °C

Freezing point	: 1,637**10 ⁻⁵ °C
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative Density	: 2-2,5 kg/m ³
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Coefficient of Thermal Expansion	: 19–20 × 10 ⁻⁶ / °C
Bending Stress	: > 40 MPa

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is not reactive under normal conditions of use, storage and transport

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Not available under recommended storage and handling conditions (see section 7)

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No hazardous decomposition products are expected under normal conditions of storage and use.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Quartz (14808-60-7)		
Region / Authority	Limit Type	Limit Value
USA ACGIH	ACGIH TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
USA ACGIH	ACGIH chemical category	A2 – Suspected Human Carcinogen
USA OSHA/ CAL OSHA	OSHA PEL (TWA) (mg/m ³)	50 µg/m ³
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	0.05 mg/m ³ (respirable dust)
USA IDLH	US IDLH (mg/m ³)	50 mg/m ³ (respirable dust)
Alberta	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
British Columbia	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Manitoba	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
New Brunswick	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Newfoundland & Labrador	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Nova Scotia	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Nunavut	OEL TWA (mg/m ³)	0.05 mg/m ³ (respirable fraction)
Northwest Territories	OEL TWA (mg/m ³)	0.05 mg/m ³ (respirable fraction)
Ontario	OEL TWA (mg/m ³)	0.1 mg/m ³



Coante Quartz Surfaces

Safety Data Sheet

In accordance with the number 28848 date 11.12.2013 related on the information form for preparations and distribution of hazardous materials

Date of issue: 03/11/2025

Version: 1.0

Prince Edward Island	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Quebec	VEMP (mg/m ³)	0.1 mg/m ³ (respirable dust)
Saskatchewan	OEL TWA (mg/m ³)	0.05 mg/m ³ (respirable fraction)
Yukon	OEL TWA (mg/m ³)	0.1 mg/m ³
Mexico	NOM-010-STPS-2014	0.025 mg/m ³ (respirable dust)
Cristobalite (14464-46-1)		
Region / Authority	Limit Type	Limit Value
USA ACGIH	ACGIH TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
USA ACGIH	ACGIH chemical category	A2 - Suspected Human Carcinogen
USA OSHA	OSHA PEL (TWA) (mg/m ³)	50 µg/m ³
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	0.05 mg/m ³ (respirable dust)
USA IDLH	US IDLH (mg/m ³)	25 mg/m ³ (respirable dust)
Alberta	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
British Columbia	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Manitoba	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
New Brunswick	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Newfoundland & Labrador	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Nova Scotia	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Nunavut	OEL TWA (mg/m ³)	0.05 mg/m ³ (respirable fraction)
Northwest Territories	OEL TWA (mg/m ³)	0.05 mg/m ³ (respirable fraction)
Ontario	OEL TWA (mg/m ³)	0.1 mg/m ³
Prince Edward Island	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Quebec	VEMP (mg/m ³)	0.05 mg/m ³ (respirable dust)
Saskatchewan	OEL TWA (mg/m ³)	0.05 mg/m ³ (respirable fraction)
Yukon	OEL TWA (mg/m ³)	0.1 mg/m ³
Mexico	NOM-010-STPS-2014	0.025 mg/m ³ (respirable dust)

Occupational Exposure Limits in mg/m³ 8 hours TWA - Respirable dust - in EU 271 + Norway & Switzerland

Country/Authority	Inert dust	Quartz (q)	Cristobalite (c)	Tridymite (t)
Austria / I	6	0.15	0.15	0.15
Belgium / II	3	0.1	0.05	0.05
Bulgaria / III	4	0.07	0.07	0.07
Cyprus / IV	/	10k/Q ²	-	-
Czech Republic / V	-	0.1	0.1	0.1
Denmark / VI	5	0.1	0.05	0.05
Estonia	-	0.1	0.05	0.05
Finland / VII	-	0.2	0.1	0.1
France / VIII	-	5 or 25 k/q	-	-
France / IX	5	0.1	0.05	0.05
Germany / X	3	β	-	-
Greece / XI	5	0.1	0.05	0.05
Hungary	-	0.15	0.1	0.15
Ireland / XII	4	0.05	0.05	0.05
Italy / XIII	3	0.025	0.025	0.025
Lithuania / XIV	10	0.1	0.05	0.05
Luxembourg / XV	6	0.15	0.15	0.15
Malta / XVI	-	-	-	-
Netherlands / XVII	5	0.075	0.075	0.075
Norway / XVIII	5	0.1	0.05	0.05
Poland	-	0.3	0.3	0.3
Portugal / XIX	5	0.025	0.025	0.025
Romania / XX	10	0.1	0.05	0.05

Coante Quartz Surfaces

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Prince Edward Island	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
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Saskatchewan	OEL TWA (mg/m ³)	0.05 mg/m ³ (respirable fraction)
Yukon	OEL TWA (mg/m ³)	0.1 mg/m ³
Mexico	NOM-010-STPS-2014	0.025 mg/m ³ (respirable dust)
Cristobalite (14464-46-1)		
Region / Authority	Limit Type	Limit Value
USA ACGIH	ACGIH TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
USA ACGIH	ACGIH chemical category	A2 - Suspected Human Carcinogen
USA OSHA	OSHA PEL (TWA) (mg/m ³)	50 µg/m ³
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	0.05 mg/m ³ (respirable dust)
USA IDLH	US IDLH (mg/m ³)	25 mg/m ³ (respirable dust)
Alberta	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
British Columbia	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Manitoba	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
New Brunswick	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Newfoundland & Labrador	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Nova Scotia	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Nunavut	OEL TWA (mg/m ³)	0.05 mg/m ³ (respirable fraction)
Northwest Territories	OEL TWA (mg/m ³)	0.05 mg/m ³ (respirable fraction)
Ontario	OEL TWA (mg/m ³)	0.1 mg/m ³
Prince Edward Island	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Quebec	VEMP (mg/m ³)	0.05 mg/m ³ (respirable dust)
Saskatchewan	OEL TWA (mg/m ³)	0.05 mg/m ³ (respirable fraction)
Yukon	OEL TWA (mg/m ³)	0.1 mg/m ³
Mexico	NOM-010-STPS-2014	0.025 mg/m ³ (respirable dust)

Occupational Exposure Limits in mg/m³ 8 hours TWA - Respirable dust - in EU 271 + Norway & Switzerland

Country/Authority	Inert dust	Quartz (q)	Cristobalite (c)	Tridymite (t)
Austria / I	6	0.15	0.15	0.15
Belgium / II	3	0.1	0.05	0.05
Bulgaria / III	4	0.07	0.07	0.07
Cyprus / IV	/	10k/Q ²	-	-
Czech Republic / V	-	0.1	0.1	0.1
Denmark / VI	5	0.1	0.05	0.05
Estonia	-	0.1	0.05	0.05
Finland / VII	-	0.2	0.1	0.1
France / VIII	-	5 or 25 k/q	-	-
France / IX	5	0.1	0.05	0.05
Germany / X	3	β	-	-
Greece / XI	5	0.1	0.05	0.05
Hungary	-	0.15	0.1	0.15
Ireland / XII	4	0.05	0.05	0.05
Italy / XIII	3	0.025	0.025	0.025
Lithuania / XIV	10	0.1	0.05	0.05
Luxembourg / XV	6	0.15	0.15	0.15
Malta / XVI	-	-	-	-
Netherlands / XVII	5	0.075	0.075	0.075
Norway / XVIII	5	0.1	0.05	0.05
Poland	-	0.3	0.3	0.3
Portugal / XIX	5	0.025	0.025	0.025
Romania / XX	10	0.1	0.05	0.05

Slovakia	-	0.1	0.1	0.1
Slovenia	-	0.15	0.15	0.15
Spain / XXI	3	0.1	0.05	0.05
Sweden / XXII	5	0.1	0.05	0.05
Switzerland / XXIII	6	0.15	0.15	0.15
United Kingdom / XXIV	4	0.1	0.1	0.1

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Aquatic acute	: Not classified
Aquatic chronic	: Not classified

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

SS-Super Iron

Bioaccumulative potential	No additional information available
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12.4. Mobility in soil

SS-Super Iron

Mobility in soil	No additional information available
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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Eliminate the contents container in accordance with the separation instructions of the approved collector
-------------------------	---

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated for transport				
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				
14.6. Special precautions for user				

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. National regulations

This product doesn't contain any substances that is controlled or prohibited for use according to the Regulation for Reduction of Ozone Depleting Substances published in the Official Journal numbered 27052 on November 12, 2008.

SECTION 16: Other information

Abbreviations and acronyms:

ADR	Accord Européen Relatif Au Transport International Des Marchandises Dangereuses Par Rout
CLP	Classification, Labelling and Packaging
IATA	International Air Transport Association
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
SDS	Safety Data Sheet

Data sources

: Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013.

Full text of H-phrases

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H350	May cause cancer.
H372	Causes damage to organs through prolonged or repeated exposure (inhalation).
H412	Harmful to aquatic life with long lasting effects

Safety Data Sheet author's

Name

: Berk SANDIKCIOĞLU

Certificate number

: TÜV/01.221.04

Certificate valid until

: 18/01/2027

Contact information

: info@besacevre.com / +90 0554 615 44 24



SDS Turkey

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Solid
Trade name : Coante Mineral Surfaces

Identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Quartz surfacing designed for use indoors, particularly kitchen countertops and bathroom vanities, flooring, cladding and other similar uses

1.3. Details of the supplier of the safety data sheet

Ermaş Madencilik Sanayi Turizm Ticaret Anonim Şirketi (Coante Quartz Surfaces)
Paşapınarı Neighborhood Commercial Area 4th Street No:14 Menteşe
Muğla-Türkiye
T: +90 252 225 51 52 Fax: +90 252 242 37 48
www.coante.com e-mail: info@coante.com

1.4. Emergency telephone number

Ermaş Madencilik Sanayi Turizm Ticaret Anonim Şirketi (Coante Quartz Surfaces)
Paşapınarı Neighborhood Commercial Area 4th Street No:14 Menteşe
Muğla-Türkiye
T: +90 252 225 51 52 Fax: +90 252 242 37 48
www.coante.com e-mail: info@coante.com

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013.

Skin Irrit. 2 Category 2 :H315
Skin Sens. 1 Category 1 :H317
Aquatic Chronic 3 Category 3 :H412

Adverse physicochemical, human health and environmental effects : To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013.

Pictogram



GHS07 GHS08 GHS09

Signal word (SEA) : Warning

Hazard statements (SEA)

:
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H335: May cause respiratory irritation.
H350: May cause cancer.
H372: Causes damage to organs through prolonged or repeated exposure (inhalation).
H412: Harmful to aquatic life with long lasting effects.

Precautionary statements (SEA)

P201 : Obtain special instructions before use.
P202 : Do not handle until all safety precautions have been read and understood.
P260: Do not breathe dust or fumes.
P264: Wash hands and face thoroughly after handling.

- P270: Do not eat, drink or smoke when using this product.
- P271: Use only outdoors or in a well-ventilated area.
- P272: Contaminated work clothing should not be allowed out of the workplace.
- P273: Avoid release to the environment.
- P280: Wear protective gloves, clothing, eye and face protection.
- P284: [In case of inadequate ventilation] wear respiratory protection.
- P285: In case of inadequate ventilation, wear respiratory protection.
- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- P314 – Get medical advice/attention if you feel unwell.
- P333 + P313: If skin irritation or rash occurs: Get medical advice/attention.
- 362 + P364 :Take off contaminated clothing and wash it before reuse.
- P501: Dispose of contents/container in accordance with local regulations.

Disposal

2.3. Other hazards

Other hazards not contributing to the classification
No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013.
Quartz, Quartzite, Silis kumu Cristobalite	(CAS No) 14808-60-7 (CAS No) 14464-46-1	0-93	Stot Re. 1 (H372) Carc. 1A, (H350)
Glass chips	(CAS No) 14808-60-7	0-93	Not determined
Mirror chips	(CAS No) 65997-17-3	0-45	Not determined
Other silicate minerals	-	0-93	Not determined
Titanium Dioxide, pigment	(CAS No) 13463-67-7	0-4	Carc. 2 (H351)
Inorganic oxide high temperature pigments	-	0-4	Eye Irrit. 2 (H319) / STOT SE 3 (H335)
Unsaturated polyester resin (Styrene)	Stiren (Cas No) 100-42-5	7-16	Flam. Liq. 3 (H226) / Acute Tox. 4 (H332) / Skin Irrit. 2 (H315) / Eye Irrit. 2 (H319) / STOT SE 3 (H335)

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water.
- First-aid measures after eye contact : Rinse eyes with water as a precaution.
- First-aid measures after ingestion : If you feel unwell, call a poison center or doctor / physician.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

6.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

6.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8 : "Exposure-controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Hand protection : Protective gloves

Eye protection : Safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Color : Various

Odor : Odorless

Odor threshold : No data available

pH : No data available

Relative evaporation rate (butyl acetate=1) : No data available

Melting point : 1,958*10⁻⁵ °C

Freezing point	: 1,637**10 ⁻⁵ °C
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative Density	: 2-2,5 kg/m ³
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Coefficient of Thermal Expansion	: 19-20 × 10 ⁻⁶ / °C
Bending Stress	: > 40 MPa

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is not reactive under normal conditions of use, storage and transport

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Not available under recommended storage and handling conditions (see section 7)

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No hazardous decomposition products are expected under normal conditions of storage and use.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Quartz (14808-60-7)		
Region / Authority	Limit Type	Limit Value
USA ACGIH	ACGIH TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
USA ACGIH	ACGIH chemical category	A2 – Suspected Human Carcinogen
USA OSHA/ CAL OSHA	OSHA PEL (TWA) (mg/m ³)	50 µg/m ³
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	0.05 mg/m ³ (respirable dust)
USA IDLH	US IDLH (mg/m ³)	50 mg/m ³ (respirable dust)
Alberta	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
British Columbia	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Manitoba	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
New Brunswick	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Newfoundland & Labrador	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Nova Scotia	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Nunavut	OEL TWA (mg/m ³)	0.05 mg/m ³ (respirable fraction)
Northwest Territories	OEL TWA (mg/m ³)	0.05 mg/m ³ (respirable fraction)
Ontario	OEL TWA (mg/m ³)	0.1 mg/m ³

Coante Mineral Surfaces

Safety Data Sheet

In accordance with the number 28848 date 11.12.2013 related on the information form for preparations and distribution of hazardous materials

Date of issue: 03/11/2025

Version: 1.0

Prince Edward Island	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Quebec	VEMP (mg/m ³)	0.1 mg/m ³ (respirable dust)
Saskatchewan	OEL TWA (mg/m ³)	0.05 mg/m ³ (respirable fraction)
Yukon	OEL TWA (mg/m ³)	0.1 mg/m ³
Mexico	NOM-010-STPS-2014	0.025 mg/m ³ (respirable dust)
Cristobalite (14464-46-1)		
Region / Authority	Limit Type	Limit Value
USA ACGIH	ACGIH TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
USA ACGIH	ACGIH chemical category	A2 - Suspected Human Carcinogen
USA OSHA	OSHA PEL (TWA) (mg/m ³)	50 µg/m ³
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	0.05 mg/m ³ (respirable dust)
USA IDLH	US IDLH (mg/m ³)	25 mg/m ³ (respirable dust)
Alberta	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
British Columbia	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Manitoba	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
New Brunswick	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Newfoundland & Labrador	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Nova Scotia	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Nunavut	OEL TWA (mg/m ³)	0.05 mg/m ³ (respirable fraction)
Northwest Territories	OEL TWA (mg/m ³)	0.05 mg/m ³ (respirable fraction)
Ontario	OEL TWA (mg/m ³)	0.1 mg/m ³
Prince Edward Island	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Quebec	VEMP (mg/m ³)	0.05 mg/m ³ (respirable dust)
Saskatchewan	OEL TWA (mg/m ³)	0.05 mg/m ³ (respirable fraction)
Yukon	OEL TWA (mg/m ³)	0.1 mg/m ³
Mexico	NOM-010-STPS-2014	0.025 mg/m ³ (respirable dust)

Occupational Exposure Limits in mg/m³ 8 hours TWA - Respirable dust - in EU 271 + Norway & Switzerland

Country/Authority	Inert dust	Quartz (q)	Cristobalite (c)	Tridymite (t)
Austria / I	6	0.15	0.15	0.15
Belgium / II	3	0.1	0.05	0.05
Bulgaria / III	4	0.07	0.07	0.07
Cyprus / IV	/	10k/Q ²	-	-
Czech Republic / V	-	0.1	0.1	0.1
Denmark / VI	5	0.1	0.05	0.05
Estonia	-	0.1	0.05	0.05
Finland / VII	-	0.2	0.1	0.1
France / VIII	-	5 or 25 k/q	-	-
France / IX	5	0.1	0.05	0.05
Germany / X	3	β	-	-
Greece / XI	5	0.1	0.05	0.05
Hungary	-	0.15	0.1	0.15
Ireland / XII	4	0.05	0.05	0.05
Italy / XIII	3	0.025	0.025	0.025
Lithuania / XIV	10	0.1	0.05	0.05
Luxembourg / XV	6	0.15	0.15	0.15
Malta / XVI	-	-	-	-
Netherlands / XVII	5	0.075	0.075	0.075
Norway / XVIII	5	0.1	0.05	0.05
Poland	-	0.3	0.3	0.3
Portugal / XIX	5	0.025	0.025	0.025
Romania / XX	10	0.1	0.05	0.05

Slovakia	-	0.1	0.1	0.1
Slovenia	-	0.15	0.15	0.15
Spain / XXI	3	0.1	0.05	0.05
Sweden / XXII	5	0.1	0.05	0.05
Switzerland / XXIII	6	0.15	0.15	0.15
United Kingdom / XXIV	4	0.1	0.1	0.1

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Aquatic acute	: Not classified
Aquatic chronic	: Not classified

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

SS-Super Iron

Bioaccumulative potential	No additional information available
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12.4. Mobility in soil

SS-Super Iron

Mobility in soil	No additional information available
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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Eliminate the contents container in accordance with the separation instructions of the approved collector
-------------------------	---

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated for transport				
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				
14.6. Special precautions for user				

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. National regulations

This product doesn't contain any substances that is controlled or prohibited for use according to the Regulation for Reduction of Ozone Depleting Substances published in the Official Journal numbered 27052 on November 12, 2008.

SECTION 16: Other information

Abbreviations and acronyms:

ADR	Accord Européen Relatif Au Transport International Des Marchandises Dangereuses Par Rout
CLP	Classification, Labelling and Packaging
IATA	International Air Transport Association
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
SDS	Safety Data Sheet

Data sources

: Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013.

Full text of H-phrases

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H350	May cause cancer.
H372	Causes damage to organs through prolonged or repeated exposure (inhalation).
H412	Harmful to aquatic life with long lasting effects

Safety Data Sheet author's

Name

: Berk SANDIKCIOĞLU

Certificate number

: TÜV/01.221.04

Certificate valid until

: 18/01/2027

Contact information

: info@besacevre.com / +90 0554 615 44 24



SDS Turkey

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Solid
Trade name : Coante Arteo Surfaces

Identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Quartz surfacing designed for use indoors, particularly kitchen countertops and bathroom vanities, flooring, cladding and other similar uses

1.3. Details of the supplier of the safety data sheet

Ermaş Madencilik Sanayi Turizm Ticaret Anonim Şirketi (Coante Quartz Surfaces)
Paşapınarı Neighborhood Commercial Area 4th Street No:14 Menteşe
Muğla-Türkiye
T: +90 252 225 51 52 Fax: +90 252 242 37 48
www.coante.com e-mail: info@coante.com

1.4. Emergency telephone number

Ermaş Madencilik Sanayi Turizm Ticaret Anonim Şirketi (Coante Quartz Surfaces)
Paşapınarı Neighborhood Commercial Area 4th Street No:14 Menteşe
Muğla-Türkiye
T: +90 252 225 51 52 Fax: +90 252 242 37 48
www.coante.com e-mail: info@coante.com

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013.

Skin Irrit. 2 Category 2 :H315
Skin Sens. 1 Category 1 :H317
Aquatic Chronic 3 Category 3 :H412

Adverse physicochemical, human health and environmental effects : To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013.



Pictogram

GHS07

GHS08

GHS09

Signal word (SEA) : Warning

Hazard statements (SEA)

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H335: May cause respiratory irritation.
H350: May cause cancer.
H372: Causes damage to organs through prolonged or repeated exposure (inhalation).
H412: Harmful to aquatic life with long lasting effects.

Precautionary statements (SEA)

P201 : Obtain special instructions before use.
P202 : Do not handle until all safety precautions have been read and understood.
P260 : Do not breathe dust or fumes.

- P264: Wash hands and face thoroughly after handling.
- P270: Do not eat, drink or smoke when using this product.
- P271: Use only outdoors or in a well-ventilated area.
- P272: Contaminated work clothing should not be allowed out of the workplace.
- P273: Avoid release to the environment.
- P280: Wear protective gloves, clothing, eye and face protection.
- P284: [In case of inadequate ventilation] wear respiratory protection.
- P285: In case of inadequate ventilation, wear respiratory protection.
- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- P314 – Get medical advice/attention if you feel unwell.
- P333 + P313: If skin irritation or rash occurs: Get medical advice/attention.
- 362 + P364 : Take off contaminated clothing and wash it before reuse.
- P501: Dispose of contents/container in accordance with local regulations.

Disposal

2.3. Other hazards

Other hazards not contributing to the classification

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013.
Quartz, Quartzite, Silis kumu Cristobalite	(CAS No) 14808-60-7 (CAS No) 14464-46-1	0-93	Stot Re. 1 (H372) Carc. 1A, (H350)
Glass chips	(CAS No) 14808-60-7	0-93	Not determined
Mirror chips	(CAS No) 65997-17-3	0-45	Not determined
Other silicate minerals	-	0-93	Not determined
Titanium Dioxide, pigment	(CAS No) 13463-67-7	0-4	Carc. 2 (H351)
Inorganic oxide high temperature pigments	-	0-4	Eye Irrit. 2 (H319) / STOT SE 3 (H335)
Unsaturated polyester resin (Styrene)	Stiren (Cas No) 100-42-5	7-16	Flam. Liq. 3 (H226) / Acute Tox. 4 (H332) / Skin Irrit. 2 (H315) / Eye Irrit. 2 (H319) / STOT SE 3 (H335)
UV Armour	(CAS No) 475645-84-2	0,01 – 0,05%	Skin Irrit. 2 (H315) / Eye Irrit. 2 (H319) / Aquatic Chronic 3 (H412)
ISONIK B-K BLACK HLF	-	0,02%	Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Aquatic Chronic 3 – H412
ISONIK B-K CYAN	-	0,02%	Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Aquatic Chronic 3 – H412
ISONIK B-K LIGHT CYAN	-	0,02%	Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Aquatic Chronic 3 – H412
ISONIK B-K LIGHT MAGENTA HD	-	0,02%	Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Aquatic Chronic 3 – H412
ISONIK B-K MAGENTA HD	-	0,02%	Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Aquatic Chronic 3 – H412
ISONIK B-K TOTAL BLACK	-	0,02%	Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Aquatic Chronic 3 – H412
ISONIK B-K YELLOW	-	0,02%	Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Aquatic Chronic 3 – H412

Name	Product identifier	%	Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013.
TRANSPRIMER Component A	-	0,01 – 0,05%	Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Aquatic Chronic 3 – H412
TRANSPRIMER Component B	-	0,0001 – 0,0005%	Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Aquatic Chronic 3 – H412

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
 First-aid measures after skin contact : Wash skin with plenty of water.
 First-aid measures after eye contact : Rinse eyes with water as a precaution.
 First-aid measures after ingestion : If you feel unwell, call a poison center or doctor / physician.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.
 Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Hand protection : Protective gloves

Eye protection : Safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
 Color : Various
 Odor : Odorless
 Odor threshold : No data available
 pH : No data available
 Relative evaporation rate (butyl acetate=1) : No data available
 Melting point : 1,958*10⁻⁵ °C
 Freezing point : 1,637**10⁻⁵ °C
 Boiling point : No data available
 Flash point : No data available
 Auto-ignition temperature : No data available
 Decomposition temperature : No data available
 Flammability (solid, gas) : Not applicable
 Vapor pressure : No data available
 Relative vapor density at 20 °C : No data available
 Relative Density : 2-2,5 kg/m³
 Solubility : No data available
 Log Pow : No data available
 Viscosity, kinematic : No data available
 Viscosity, dynamic : No data available
 Explosive properties : No data available
 Coefficient of Thermal Expansion : 19–20 × 10⁻⁶ / °C
 Bending Stress : > 40 MPa

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is not reactive under normal conditions of use, storage and transport

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Not available under recommended storage and handling conditions (see section 7)

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No hazardous decomposition products are expected under normal conditions of storage and use.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Quartz (14808-60-7)		
Region / Authority	Limit Type	Limit Value
USA ACGIH	ACGIH TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
USA ACGIH	ACGIH chemical category	A2 - Suspected Human Carcinogen
USA OSHA/ CAL OSHA	OSHA PEL (TWA) (mg/m ³)	50 µg/m ³
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	0.05 mg/m ³ (respirable dust)
USA IDLH	US IDLH (mg/m ³)	50 mg/m ³ (respirable dust)
Alberta	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
British Columbia	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Manitoba	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
New Brunswick	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Newfoundland & Labrador	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Nova Scotia	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Nunavut	OEL TWA (mg/m ³)	0.05 mg/m ³ (respirable fraction)
Northwest Territories	OEL TWA (mg/m ³)	0.05 mg/m ³ (respirable fraction)
Ontario	OEL TWA (mg/m ³)	0.1 mg/m ³
Prince Edward Island	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Quebec	VEMP (mg/m ³)	0.1 mg/m ³ (respirable dust)
Saskatchewan	OEL TWA (mg/m ³)	0.05 mg/m ³ (respirable fraction)
Yukon	OEL TWA (mg/m ³)	0.1 mg/m ³
Mexico	NOM-010-STPS-2014	0.025 mg/m ³ (respirable dust)
Cristobalite (14464-46-1)		
Region / Authority	Limit Type	Limit Value
USA ACGIH	ACGIH TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
USA ACGIH	ACGIH chemical category	A2 - Suspected Human Carcinogen
USA OSHA	OSHA PEL (TWA) (mg/m ³)	50 µg/m ³
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	0.05 mg/m ³ (respirable dust)
USA IDLH	US IDLH (mg/m ³)	25 mg/m ³ (respirable dust)
Alberta	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
British Columbia	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Manitoba	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
New Brunswick	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Newfoundland & Labrador	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Nova Scotia	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)

Nunavut	OEL TWA (mg/m ³)	0.05 mg/m ³ (respirable fraction)
Northwest Territories	OEL TWA (mg/m ³)	0.05 mg/m ³ (respirable fraction)
Ontario	OEL TWA (mg/m ³)	0.1 mg/m ³
Prince Edward Island	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
Quebec	VEMP (mg/m ³)	0.05 mg/m ³ (respirable dust)
Saskatchewan	OEL TWA (mg/m ³)	0.05 mg/m ³ (respirable fraction)
Yukon	OEL TWA (mg/m ³)	0.1 mg/m ³
Mexico	NOM-010-STPS-2014	0.025 mg/m ³ (respirable dust)

Occupational Exposure Limits in mg/m³ 8 hours TWA - Respirable dust - in EU 27 + Norway & Switzerland

Country/Authority	Inert dust	Quartz (q)	Cristobalite (c)	Tridymite (t)
Austria / I	6	0.15	0.15	0.15
Belgium / II	3	0.1	0.05	0.05
Bulgaria / III	4	0.07	0.07	0.07
Cyprus / IV	/	10k/Q ²	-	-
Czech Republic / V	-	0.1	0.1	0.1
Denmark / VI	5	0.1	0.05	0.05
Estonia	-	0.1	0.05	0.05
Finland / VII	-	0.2	0.1	0.1
France / VIII	-	5 or 25 k/q	-	-
France / IX	5	0.1	0.05	0.05
Germany / X	3	β	-	-
Greece / XI	5	0.1	0.05	0.05
Hungary	-	0.15	0.1	0.15
Ireland / XII	4	0.05	0.05	0.05
Italy / XIII	3	0.025	0.025	0.025
Lithuania / XIV	10	0.1	0.05	0.05
Luxembourg / XV	6	0.15	0.15	0.15
Malta / XVI	-	-	-	-
Netherlands / XVII	5	0.075	0.075	0.075
Norway / XVIII	5	0.1	0.05	0.05
Poland	-	0.3	0.3	0.3
Portugal / XIX	5	0.025	0.025	0.025
Romania / XX	10	0.1	0.05	0.05
Slovakia	-	0.1	0.1	0.1
Slovenia	-	0.15	0.15	0.15
Spain / XXI	3	0.1	0.05	0.05
Sweden / XXII	5	0.1	0.05	0.05
Switzerland / XXIII	6	0.15	0.15	0.15
United Kingdom / XXIV	4	0.1	0.1	0.1

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general

: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Aquatic acute

: Not classified

Aquatic chronic

: Not classified

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

SS-Super Iron

Bioaccumulative potential : No additional information available

12.4. Mobility in soil

SS-Super Iron

Mobility in soil : No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Ozone : Not classified
 Other adverse effects : No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Eliminate the contents container in accordance with the separation instructions of the approved collector

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated for transport				
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

14.6. Special precautions for user

- Overland transport
No data available
- Transport by sea
No data available
- Air transport
No data available
- Inland waterway transport
No data available
- Rail transport
No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. National regulations

This product doesn't contain any substances that is controlled or prohibited for use according to the Regulation for Reduction of Ozone Depleting Substances published in the Official Journal numbered 27052 on November 12, 2008.

SECTION 16: Other information

Abbreviations and acronyms:

ADR	Accord Européen Relatif Au Transport International Des Marchandises Dangereuses Par Rout
CLP	Classification, Labelling and Packaging
IATA	International Air Transport Association
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
SDS	Safety Data Sheet

Data sources

: Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013.

Full text of H-phrases

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H350	May cause cancer.
H372	Causes damage to organs through prolonged or repeated exposure (inhalation).
H412	Harmful to aquatic life with long lasting effects

Safety Data Sheet author's

Name

Certificate number

Certificate valid until

Contact information

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SDS Turkey

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

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