

20/06/2018

PRODUCT DESCRIPTION

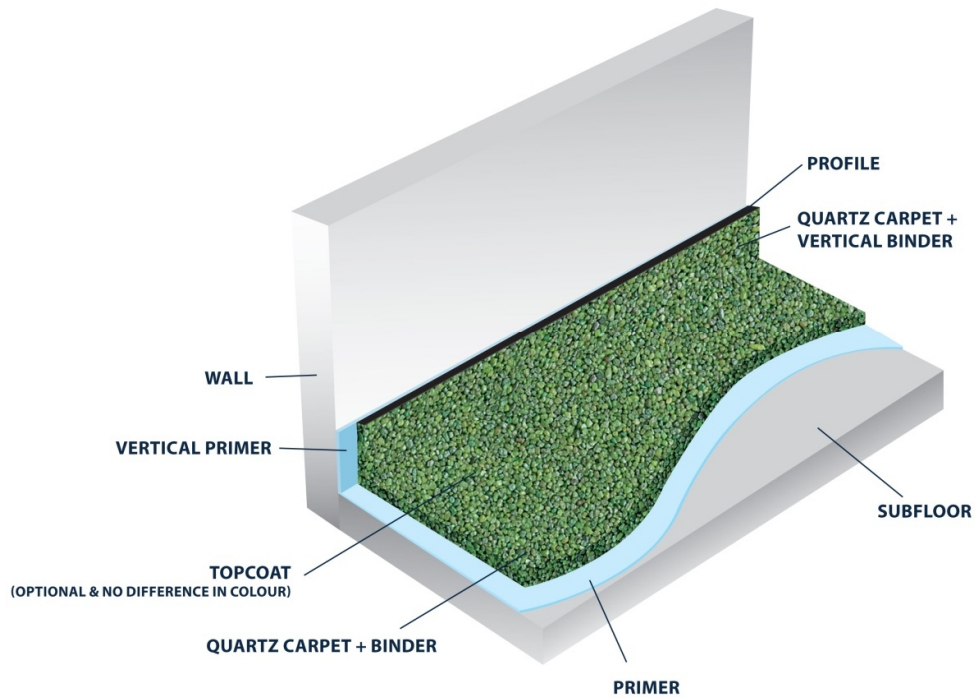
Quartz carpet is a seamless flooring system based on coloured or uncoloured quartz grains that are bonded with resin (epoxy or polyurethane). This system is used for houses, showrooms, offices, etc. In fact, every floor with high aesthetical demands and not intended to be subdued to a mechanical load of more than 20 N/mm² or to heavy chemical loads, can be fitted with this system. The floor can be best compared with a seamless and wear-resistant wall-to-wall carpet.

The advantages of a quartz carpet are actually a combination of advantages of other floor systems. For instance, quartz carpets with an open structure have numerous pores filled with air. Therefore, walking on these carpets with bare feet gives a nice warm and soft feeling, as if it were a normal carpet. Whereas the wear-resistance is that of a tile.

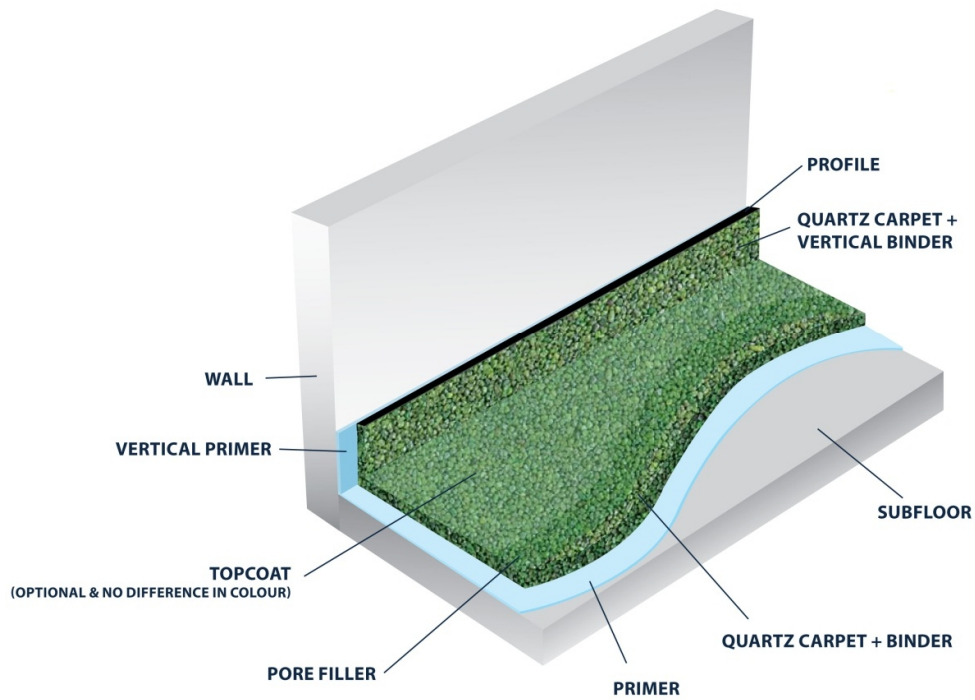
Furthermore stone carpets have another characteristic. Dust disappears between the pores. The advantage here is that dust is not stirred every time a person is across the surface. Nevertheless the dust can be easily removed with a normal vacuum cleaner. Because the granules remain in place and are not pressurised by vacuum cleaners, like the hairs of a 'normal' carpet, dust can be easily removed while vacuum cleaning. It is, however, recommended to clean the stone carpet once or twice a year with a powerful wet cleaner/carpet cleaner (type Nilfisk CA340).



3D SECTION OPEN STRUCTURE



3D SECTION CLOSED STRUCTURE



POSSIBILITIES

INTERIOR

Because of a solid UV resistance, this system can be used indoors in places with lots of sunlight (e.g. large windows, porches, sunbed rooms, ...)

HYGIENIC SPACES

For hygienic reasons, rooms such as toilets, kitchens or bathrooms might call for an additional 'sealing' of the quartz carpet. It is of course also possible to apply this sealing in other spaces too, but not outside.

We do not recommend quartz carpets shower or sauna floors. Possibly a mortar system would make sense here.

GRANULES SIZES AND COLOURS

Granule sizes for quartz carpets are available in four different sizes (1-2 mm, 2-3 mm, 3-4 mm and 4-6 mm).

Use only the colours with a UV rating 7/8 or 8. The following colour numbers have that UV rating. Please note that slight colour deviations are possible because these are natural products.

Natural	SC4131 PU	S7020 PU	S8040 PU	SD9018PU
S1004 PU	S4202 PU	S7024 PU	S8044 PU	SG50990
S1006 PU	S4213 PU	S7026 PU	S8048 PU	SG50050
SC1214 PU	S4244 PU	S7028 PU	S8104 PU	SG50960
S1320 PU	S5106 PU	S7030 PU	S8120 PU	SG50980
SC1430 PU	S5025 PU	S7046 PU	S8200 PU	SG50430
S1448 PU	S5054 PU	S7050 PU	S8204 PU	SG50970
S1458 PU	SC5204 PU	SC7054 PU	S8208 PU	SG50710
S1476 PU	S5400 PU	S7100 PU	S8212 PU	SG50100
S2122 PU	S5420 PU	S7102 PU	S8222 PU	
S2130 PU	S6000 PU	S7116 PU	S8224 PU	
SC3002 PU	S6024 PU	S7124 PU	S8262 PU	
SC3100 PU	S6028 PU	S7204 PU	S8268 PU	
S3102 PU	S6108 PU	S8010 PU	S9202 PU	
S3124 PU	S6208 PU	S8014 PU	S9212 PU	
S3428 PU	S6332 PU	S8020 PU	S9214 PU	
S4020 PU	S6540 PU	S8035 PU	SD9230 PU	



CONDITIONS

The substrate on which the resin will be applied, should be strong enough and should always be clean, dry, and free of dust and grease for the duration of application. Further specifications are listed under the General Conditions: Working with resin floors

APPLICATION INSTRUCTIONS

PRIMER

Types :

Depending on the substrate, different primers are applied.

Concrete and screed floor

Most appropriate primer: EQC/A+B (this is a universal two component epoxy primer). Should the substrate still be moist, you can opt for a EWS/A+B primer.

Attention: Do not seal a quartz carpet which is applied on a wet subfloor.

For floors that will hardly be subjected to much load or wear and that are placed on a porous substrate, an acrylate fast primer APR.01 can be used. Consumption: depends on the level of suction of substrate (av. 0.200 kg/m²).

Tile floors

In most cases, it is absolutely necessary that the tiles are firmly attached and that the joints between the tiles are evened out. This can be done by applying a tile primer EPW/A+B or ETP/A+B first. The EPW/A+B is a fast-drying water-based epoxy primer (30 minutes). However, the best possible bonding strength is obtained by ETP/A+B. For spaces that will be regularly wet, it is recommended to use ETP/A+B.

Wooden floor

EQC/A+B:

The wooden boards should be tight and not move in relation to each other when people walk on them. However, should they still move, then it is highly recommend to apply a glass fibre in an epoxy gel (EGC/A+B) and this to avoid cracks. It is also possible to use an adhesive film (EVL).

Anhydrite floor

EQC/A+B, a universal two-component epoxy primer, is the most appropriate primer for anhydrite floors.



Application

When you are using a two component primer, mix the A and B components with a drill to produce a homogeneous mixture.

Spread the resin across the floor with a sheepskin roller

Broadcast fine sand (0.1-0.3 mm or 0.3-0.8 mm) over the layer while it is still wet.
Consumption: ± 0.100 kg/m²)

NOTE

The best adhesion between primer and stone carpet is obtained 12 to 24 hours after applying the primer. (Except for the fast-drying primers APR.01 and EPW /A+B).

All these primers improve adhesion, but they are no waterproof products. If water infiltration is possible, it is necessary to apply a waterproofing membrane.



QUARTZ

Mix the granules with PU300 in the right proportion in the following table.

Size of quartz granules	1-2 mm	2-3 mm	3-4 mm	4-6 mm
Thickness of the floor (in mm)	6	6	8	10
Weight per m ²	12	12,5	15	18
% resin added to quartz (PU.300)	6	6	6	6

Mix well (at least 2 minutes) until the resin is evenly distributed. Should you be using a barrel to produce the mixture, it is easier to be using a double arm mixing machine.

Subsequently spread the resin across floor and even out the substrate with a trowel.

In order to facilitate application, you can spray some clear water on the trowel.

In order to avoid possible foaming, it is recommended to not be using large amounts of PU300 on the granules or substrate. For this, you have to observe the following measures:

1. Mix well
2. Apply the exact amount of material so that it can be distributed immediately. Apply a small strip of already mixed material onto the floor and spread this as soon as possible. Another possibility is to use a screed box. You should be careful and make sure that the screed box does not stand still after filling.
3. While working, it's possible there will appear more thick layer on the bottom or sides of the bucket or barrel. Scrape this mixture from the bottom or sides of the bucket or barrel and don't use it anymore. If the granules/resin mixture has been standing too long before application, it needs to be mixed again properly.
4. Avoid contact with water or other substances until the floor is completely dry.

While applying the floor, the quartz should always be pressed upon very well. If that does not happen, the result will be a structure which feels rough and which will require a lot more sealing substance! Adding to that, the floor will be less resistant too.

It is best to have a 1000 Watt lamp shine over the floor during the entire application process. This also allows verifying whether the floor is even or not, and to spot any trowel marks or other flaws.

This should be repeated until the entire substrate is covered. After that, you will have to wait at least 4 hours before you can walk on the floor and apply a subsequent layer.



SEALING

With this method, you obtain a surface where the majority of pores are sealed. This is especially recommended in kitchens, toilets and bathrooms.

We recommend to always seal quartz carpets that have a 1-2mm granule size. We recommend to no longer seal when granule sizes are bigger than 4 mm. We also do not recommend sealing outdoor floors and floors applicated on a wet subfloor.

	SAD
Raw material base	Acrylic
Handling type	Apply SAD with a trowel on the floor
Consumption	Depending on granule sizes:
	1-2 mm 0.60 kg/m ²
	2-3 mm 0.75 kg/m ²
	3-4mm 1,00kg/m ²

After the resin has dried, make sure whether or not most pores are closed and whether or not a second coating needs to be applied.

To prevent foaming, never apply SAD with a brush.

If there is a floor heating, please stop it 1 day before the start of the application of the quartz carpet.

SAD is not resistant for:

- Some rubbers because of the danger of leaching.
- Some carpets will spread pigments who will pollute the SAD
- Tyres of motorcycles, cars,...



TOP LAYER

Depending on the desired final result, various finishing methods are possible :

OPEN STRUCTURE:

In order to solidify the surface more, a PUW-ETC topcoat can be applied. This is a transparent finish which becomes invisible after application, but which provides additional UV and wear resistance.

- Apply some PUW-ETC to a roll
- Spread it evenly on the roller using a tray.
- Spread evenly across the smooth stone carpet! To avoid a foaming effect, make sure you do not use too much PU at one single spot.

Consumption: +/- 120 g/m²

CLOSED STRUCTURE

To establish a a matte or satin view to stone carpet with a closed structure (SAD33) the following topcoats can be applied.

1. PUW Sat (0,10,15 kg / m²)
2. PUW Mat (0,10,15 kg / m²)
3. PUW-ETC (0,12 kg/m²)

Application

- Apply some PU to a roll
- Spread it evenly on the roller using a tray.
- Spread evenly across the smooth stone carpet!

PUW is not resistant for:

- Tyres



SKIRTING BOARDS OR VERTICAL STAIRS

Depending on personal preferences, an acrylate (VA.01 or PU (PUVB)) can be used :

1. with acrylate binding agent VA .01

Use a paint brush and spread a small amount of binding agent across the surface that will be treated.
Mix the marble with \pm 18% VA.01 and apply it using a stainless steel trowel.

2. method: with pubinding agent PUVB

Use a brush and spread a small amount of binding agent across the surface that will be used in the application.
Mix the quartz with 6% PUVB and apply it using a stainless trowel.

NOTE:

Because of the different compositions of the binders, colour differences may occur between the floor and wall.

MORE INFORMATION ABOUT THE PRODUCTS

For an appropriate execution of the application, it is necessary to consult the most recent data sheet of each of the products used.

