TAL DECOQUARTZ QB

Issue Date
1/05/2012

Durable and decorative, two-component, quartz broadcast, epoxy floor system

Product Description
TAL DECOQUARTZ QB is a combination of colored quartz aggregate and 100% solids liquid epoxy resin that when applied, forms a seamless, colorful, chemical resistant and long wearing floor.

Advantages
- Seamless hygienic floor
- Can be applied to steel and concrete
- Cost effective installation
- Can be used in direct sunlight*
- Easy maintenance and cleaning
- Chemical resistant and stain resistant
- Heat resistant and abrasion resistant
- Durable, withstands most types of traffic.
- Highly attractive, available in many colors

*When used with TAL UV Sealer

Uses
- Food processing areas
- Schools, prisons and hospitals
- Break areas and cafeterias
- Kitchens and produce prep rooms
- Locker and bath rooms
- Automotive showrooms

Physical Properties

Property	Typical Results
Compressive strength	>50 MPa
Tensile strength	>10 MPa
Flexural strength	>20 MPa
Abrasion resistance	<100g (CS17, 1000g/1000r)

Application Properties

	15C	25C	35C
Pot life	90 to 120min	40 to 60min	20 to 30min
Recoat time	24 to 48h	16 to 36h	12 to 24h
Full cure	10 days	7 days	5 days

Shelf life
18 months when stored unopened in a dry area at temperatures between 4˚C and 35˚C. Keep container tightly closed.

Chemical Resistance

Hydrochloric acid (50%)	Regular contact
Sulfuric acid (50%)	Regular contact
Sodium hydroxide (50%)	Regular contact
Bleach (5%)	Regular contact
Citric acid (30%)	Regular contact
Gasoline	Regular contact
Skydrol	Occasional contact

All application and performance values are typical for the material but may vary because of variations in test methods, conditions and configurations.

Colours
Any combination of the colors below are usually available ex-stock.
RAL 9003 Signal White
RAL 2002 Vermilion
RAL 9004 Black
RAL 8024 Beige Brown
RAL 7044 Silver Grey
RAL 3012 Beige Red
RAL 1023 Traffic Yellow
RAL 1015 Light Ivory
RAL 1017 Saffron Yellow
RAL 5012 Light Blue
RAL 6002 Leaf Green
RAL 5023 Distant Blue
Most RAL colors can be produced to order
(100 kg minimum order)

Theoretical Coverage
TAL DECOQUARTZ QB
Base coat: 0.5L/m^2 (2m^2/L)
Top coat: 0.1L/m^2 (10m^2/L)

TAL DECOQUARTZ UV SEALER: 0.15L/m^2 (6.6m^2/L)
TAL DECOQUARTZ AGGREGATE: 1 kg/m^2 (net) 1.2kg/m^2 (gross)
Use the net figure if good aggregate recovery technique is employed.

Packaging
TAL DECOQUARTZ QB: 5 & 15L packs
TAL DECOQUARTZ UV SEALER: 19L packs
TAL DECOQUARTZ AGGREGATE: 25 kg bags

UV Protection Coat
When the finished floor is to be exposed to direct sunlight then use TAL DECOQUARTZ UV SEALER in place of the top coat of TAL DECOQUARTZ QB at 0.15L/m^2. Mixing and application is the same as for for TAL DECOQUARTZ QB.

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Surface Preparation: Steel
Prepare the surface to achieve a ST3 (wire brush) or SA 2.5 (shot blast) level of preparation. Surface profile to be 45 microns mini-mum.

Application
Base Coat: Apply the mixed product using a squeegee at a wet film thickness of 0.5mm. Immediately back roll. Once an area of approximately 10m² is covered, broadcast the color quartz aggregate by hand uniformly over the wet epoxy. Immediately after broadcast smooth the surface level with a long pole "Fresno" trowel or similar. Allow to cure for at least 8 to 12 hours. Sweep or vacuum off all excess quartz. Although not essential, a second broadcast layer is highly recommended. A second broadcast will "hide" any imperfections that a single broadcast cannot. For a double broadcast, repeat steps above.

Top Coat
Pour mixed resin out onto floor and spread with squeegee. Pull squeegee "tight" to remove any squeegee marks. Do not puddle epoxy.

Clean Up
Clean all equipment immediately after use with solvent
Clean hands and skin immediately with soap and water or industrial hand cleaner or denatured alcohol.

Limitations
Will not accommodate movement cracks.
Do not be apply within 3˚C of the dewpoint or if it is within 5˚C of the dewpoint and dropping.
Avoid excessive application.
Avoid skin contact.
Do not discard into the water system.
Not for use at service temperatures greater than 60˚C.
Protect from chemical and water spillage until fully cured

ULTRA LOW VOC

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