

X-Tech DecoQuartz QB

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

Product Description

X-Tech 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 X-Tech 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)
Water absorption	<0.2%

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

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 colours below are usually available ex-stock.

- Signal White (RAL 9003)
- Black (RAL 9004)
- Silver Grey (RAL 7044)
- Traffic Yellow (RAL 1023)
- Saffron Yellow (RAL 1017)
- Leaf Green (RAL 6002)
- Vermilion (RAL 2002)
- Beige Brown (RAL 8024)
- Beige Red (RAL 3012)
- Light Ivory (RAL 1015)
- Light Blue (RAL 5012)
- Distant Blue (RAL 5023)

Most RAL colors can be produced to order (100 kg minimum order)

Shelf life

24 months when stored unopened in a dry area at temperatures between 4°C and 35°C. Keep container tightly closed.

Theoretical Coverage

X-Tech DecoQuartz QB
Base coat: 0.5L/m² (2m²/L)
Top coat: 0.1L/m² (10m²/L)

X-Tech DecoQuartz UV Sealer: 0.15L/m² (6.6m²/L)

X-Tech DecoQuartz Aggregate: 1 kg/m² (net) 1.2kg/m² (gross)

Packaging

X-Tech DecoQuartz QB: 5 & 15L packs
X-Tech DecoQuartz UV Sealer: 19L packs
X-Tech DecoQuartz Aggregate: 25 kg bags

UV Protection Coat

When the finished floor is to be exposed to direct sunlight then use X-Tech DecoQuartz UV Sealer in place of the top coat of X-Tech DecoQuartz QB at 0.15L/m². Mixing and application is the same as for for X-Tech DecoQuartz QB.

Installation Guidelines

Application

X-Tech DecoQuartz QB should be applied by experienced flooring crews. X-Calibur provides detailed method statements for all its products for use in various applications. These must be referred to prior to starting work. The information below is a summary intended for guidance only.

Surface Preparation: Concrete

The substrate must be structurally sound. Loose or unsound concrete should be removed. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface deposits. The surface should be prepared by light grit blasting or high pressure water blasting to produce a lightly exposed aggregate surface. Any bug holes should be filled with X-Shield BugFill or other suitable filler. The moisture content of the concrete should be less than 5%.

Mixing

Mix X-Tech DecoQuartz QB using the following technique. Add the hardener 'Part B' into the base 'Part A' and mix using a slow speed drill (500 rpm) with an X-Shield Coating Mixer Paddle for 3 minutes or until both components have fully dispersed and are uniform in color. Be sure to rotate the mixer throughout the drum. Mix only full packs.

Priming: Concrete

Prime using X-Shield SF Primer, X-Shield MT Primer or X-Shield Fast Primer (see separate datasheets)

Priming: Steel

Prime using X-Shield EpoxyLock MT (see separate datasheet)

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 minimum.

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. Allow epoxy 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.

Health and Safety

This product is for industrial use only by trained operatives. It is potentially hazardous if not used correctly. Please refer to the Material Safety Data Sheet (MSDS) prior to the purchase and use of this product.

E-mail taltech@norcrossa.com or call 0860 000 825 for a copy of the MSDS.

Authorized Technical Specialist

Please note that only TAL & X-Calibur Authorized Technical Specialists are permitted to change any of the information in this data sheet or to provide written recommendations concerning the use of this product.

Datasheet Validity

TAL & X-Calibur make modifications to its product datasheets on a continuous basis. To ensure you have the latest version, e-mail taltech@norcrossa.com or call 0860 000 825.

Important Notice

TAL believes the information on this sheet to be correct - but does not guarantee its accuracy or completeness. Conduct your own tests of this product to determine its suitability for intended use. User assumes all risks and liability during testing and use of this product. The only obligation of TAL shall be to replace any of this product proved to be defective in material or workmanship. TAL shall not be liable for any injury, loss or damage, direct or consequential, relating to the use or inability to use this product. Except as expressly provided above, all products sold and samples furnished without any warranty of merchant ability or any other warranty, express or implied.

Manufactured

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Use the net figure if good aggregate recovery technique employed.

Contact the TAL Technical Advice Centre on 0860 000 TAL(825), or e-mail taltech@norcrossa.com

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