Q-Coat Premium High Gloss Sealer Technical Data Sheet

Clear high gloss premium concrete protective sealer

Description

Q-Coat Premium High Gloss Concrete Sealer is a solvent based clear liquid that seals and helps protect concrete substrate from dirt and grime and weathering

Uses

Q-Coat Premium High Gloss Concrete Sealer provides a clear gloss film to protect most types of concrete surfaces including residential and commercial applications.

Advantages

- ☐ Ease of application
- ☐ Fast drying

Application Instructions for New Cured and Old Concrete (unsealed)

Preparation

Ensure concrete is sufficiently cured (recommended minimum 14 days).

- ☐ Concrete is to be clean and free of grease, oil, paint or any curing agent. Stiff broom and general purpose cleaner recommended.
- ☐ Pressure clean surface and allow to dry.
- ☐ Acid etch with hydrochloric acid. Dilute approx 20 parts water to 1 part acid (depending on porosity) to remove any loosely or dusty concrete
  NOTE: smooth , dense concrete will require a higher acid content. Maximum strength - 10 parts water to 1 part acid.
- ☐ Apply diluted acid to surface using a watering can, applying in a criss cross motion (approximately 5-10m² sections). Acid will start to fizz on the surface once it starts to react with the laitence in the concrete. Note strong fumes will be released take appropriate safety measures.
- ☐ Pressure clean immediately to clean and remove all acid. (do not allow acid to dry on surface).
- ☐ Allow surface to dry before sealing (sealing over damp concrete will cause whitening).

Sealing

Application Methods

Do not apply to concrete if it has a patchy appearance.

The Q-Coat range of sealers can be applied by a suitable solvent resistant broom, lambswool roller or sprayer.

Be careful to make sure that the sealer is even in thickness and not puddling

Q-Coat Premium High Gloss Sealer Technical Data Sheet

Application Instructions for Sealed Concrete

Cleaning

☐ Concrete is to be clean and free of grease and oil. Stiff broom and general purpose cleaner recommended.

☐ Pressure clean at minimum 2000 psi to clean and remove all contaminants. Allow surface to dry before resealing (sealing over damp concrete will cause whitening). Refer to Dry Test.

Solvent Treatment (not applicable to resurfaced concrete)

Solvent treatment is required to reactivate the existing sealer. This will help with the adhesion of the new sealer coat.

☐ Use a solvent resistant broom to work Q-Coat Solvent/ Sealer Prep into the sealed surface.

☐ Work the solution into the surface with some pressure in a circular motion - 1 square metre at a time. Continue to rework the same selected area until reactivation of the sealer is achieved.

☐ Complete solvent treatment of entire surface.

☐ Allow area to dry enough to walk on before proceeding to sealing stage.

Additional Coat/s

☐ If additional coat/s are required, ensure the sealer is completely dry between coats (recommended minimum 6 hrs) with sufficient film build to provide the performance and durability required.

☐ To obtain a lower slip factor Slip Resistant Additives are available . e.g. wet areas, steep slopes and swimming pool surrounds. See Slip Resistant Additive TDS for details.

Curing Time

After sealing it is recommended that the sealed surface be protected from:

- Rain/water/sprinkler systems for minimum 24 hours
- Foot traffic for a minimum of 24 hours
- Vehicle traffic for a minimum of 5 days

The time depends on weather conditions and coating thickness, therefore, check suitability before allowing traffic.

Dry Test

☐ Place a piece of plastic over a small area, tape the edges and leave for 1 hour.

☐ Remove plastic, if there is no moisture on either surface, concrete is sufficiently dry for sealing.

Maintenance

Remove oil, grease and other contaminants immediately with a general purpose cleaner.

Limitations

☐ Do not seal in strong winds or if rain is likely.

☐ Do not apply over painted surfaces.

☐ Application of sealer can lower slip resistance (slip resistance additives available).

☐ Not for food preparation areas.

☐ Not a waterproofing membrane.

☐ Not recommended to seal at temperatures below 8°C or above 30°C.

Supply

Q-Coat Premium High Gloss Sealer:
4 Litre container
20 Litre drum

Coverage

1 x 20 litre drum covers approximately 80 to 100m² per coat depending on the porosity of the concrete.

Shelf life

2 Years unopened container.

Storage Conditions

Store in cool, dry area in unopened container away and out of direct sunlight. Refer to SDS for more info.

Cleaning

Clean up with solvent.

Safety

Recommended:

☐ Organic vapour respirator mask

☐ Solvent resistant gloves

☐ Safety eye wear Appropriate foot wear

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Properties

Solids (PBW):	25% ± 1%
UV Light:	Very good resistance
Thinning:	Xylene Solvent
Recommended Film Build:	Approx. 40- 80 microns dry per coat
Coverage Rate:	Approx. 3-6 m² per ltr per coat

50 micron dry film cured for 28 days at 25°C before testing with 1 hour soak

Alkali (1% Caustic Soda):	No visual effect
Mineral Turpentine:	Slight softening (reharden 8 hours)
Petrol Regular Unleaded:	Very slight softening (reharden 1 hour)
Methylated spirits:	Causes white discolouration (easily removed with solvent)

Important notice

A Safety Data Sheet (SDS) and Technical Data Sheet (TDS) are available from the Synergy Building Supplies website or upon request from the nearest Synergy office. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Synergy does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.