



HQC CONCRETE SEALER

1. PRODUCT DESCRIPTION

HQC Concrete Sealer is a water based, cationic polymer offering superior bonding. Use one bare Concrete.

2. THE SYSTEM

SPECIAL PROPERTIES:

For external & internal use HQC Concrete Sealer, when cured, is a colourless single component, low viscosity product with fast cure enabling rapid installation and early re-use of facility. Increased impact & abrasion resistance. Its unique formulation make it easy to apply and achieve an even, uniform, and seamless finish. HQC Concrete Sealer can also be applied to damp surfaces e.g. same day seal as wash off on new PIC A major feature is its low odour [slightly amoniacal]making it ideal for use in food preparation areas, restaurants.

3. FEATURES / BENEFITS

- Single component - spreads easily, cures quickly for rapid re-use of facility.
- Superior moisture resistance aids year round use.
- Higher strength & better chemical resistance than traditional sealer's.
- Stops oil & other stains.
- Improved impact & abrasion resistance prolongs performance life reducing whole life cost.
- Reduces and eases routine maintenance.
- Ease of future refurbishing without the need to strip.
- Satisfies requirements of Local Agenda 21

4. TECHNICAL DATA

Coverage:	18 – 30 m2 per litre per coat depending on surface porosity.
Application temperature:	min +50C max + 250C.
Cure rate:	touch dry 2 hours.
UV resistance:	not UV tolerant.
Flash point:	100°C.
Storage:	under cover and protect from extremes of temperature.
Shelf life:	18 months unopened.
Packaging:	10 & 20 litre.
Shipping specification:	Not classified for transport.
Equipment Cleaning:	Use water immediately after application or.



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5. APPLICATION

Use as supplied without thinning down.

Surfaces should be clean, dry & free from oil, grease, dust, laitance and any other deleterious materials. Do not apply in temperatures below 5°C or above 25°C and should not be subjected to extremes of temperature until completely dry.

It is important to undertake a representative test area to ensure that the product is suitable for your requirements prior to commencement of the project and assessed for final appearance, chemical resistance and wet & dry slip resistance. This is particularly important where the surface has previously been sealed.

Application is normally single coat and should ideally be by an airless sprayer but application by brush or roller is also suitable [see detailed installation instructions]. During application care should be taken to protect adjacent areas & equipment from overspray.

The surface should be sectioned off to assist accurate coverage. Apply maintaining a wet edge but do not allow to puddle. Under normal conditions it will be touch dry within 1 - 2 hours at which time a second coat may be applied and the area may be lightly trafficked after 24 hours.

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6. PROPERTIES

Tensile Strength (MPa):	16.3
Elongation (%):	352
Specific Gravity (at 20°C):	0.86 - 0.88
Resin Solids Content (%):	Not exceeding 30%
Appearance:	Grey Milky Liquid,
UVa Stable:	No
Free Isocyanate Monomer:	n/a
Rate of Cured Film Hardness (Sward):	51 (24 Hours), 64 (1 Week) @20°C
Viscosity (at 25°C mpa.s):	<20-50cPs
EEC Hazard Identification:	No significant hazard
UN Number and Shipping Class:	Not classified for transport

7 HEALTH & SAFETY

As with all chemicals care must be taken when handling and in use. However, HQC Concrete Sealer is classified as presenting no significant hazard. Wear appropriate protective clothing. A mask of recommended type is advised when working close to the surface [e.g. when using paint brush] or working internally.

8 MAINTENANCE

Sweep regularly to remove abrasive dirt and grit from surface and rinse down weekly using a mild detergent if required. Spills and marks should be wiped up as soon as possible and not allowed to dry on.

Should signs of wear appear a maintenance coat can be applied. Clean and thoroughly dry surface to be treated. Apply single 'tight' coat. There is no need to strip unless resin build up or blemishes are an issue.

Can be over-coated with our solvent based range - please contact our Tech dept. for advice



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9 OTHER INFORMATION

This information should be used as a supplement to other information obtained to make independent judgement of suitability and to ensure proper use and protect the health and safety of employees.

Judgement as to the suitability of the information herein for the purchaser's purposes are the purchaser's responsibility. Therefore although reasonable care has been taken in the preparation of such information, Thermilate Technologies Ltd extends no warranties, makes no representations and assumes no responsibility as to the accuracy of suitability of such information for application to purchasers intended purpose or for consequences of its use.



Prepared by Thermilate Technologies Ltd

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This Product Data Sheet supersedes all other previously dated sheets for this product.