rewah

Waterproof

Water vapour permeable

Does not support combustion

Resists algae and fungus growth

Tensio-active cleaning properties

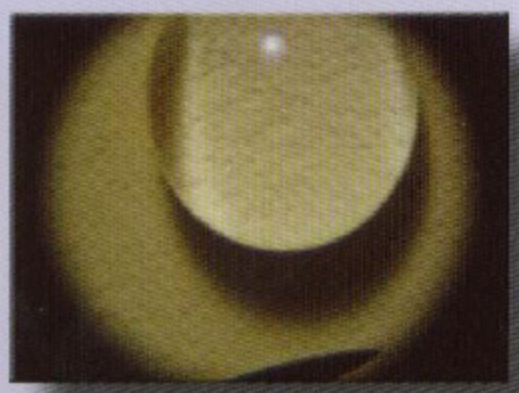
Tensiocoat^{TQ}

Tensiocoat[TQ]

Hybrid - Silane Coating

Product Description

TENSIOCOAT[TQ] is manufactured from a hybrid mix of silanes and micro polymeric dispersion technology. It is micro porous and water vapour permeable, with a very low water take up, providing excellent waterproofing against extreme weathering. With its special tensioactive behaviour, environmental contamination does not penetrate into the paint film and thus provides an easy to clean surface.

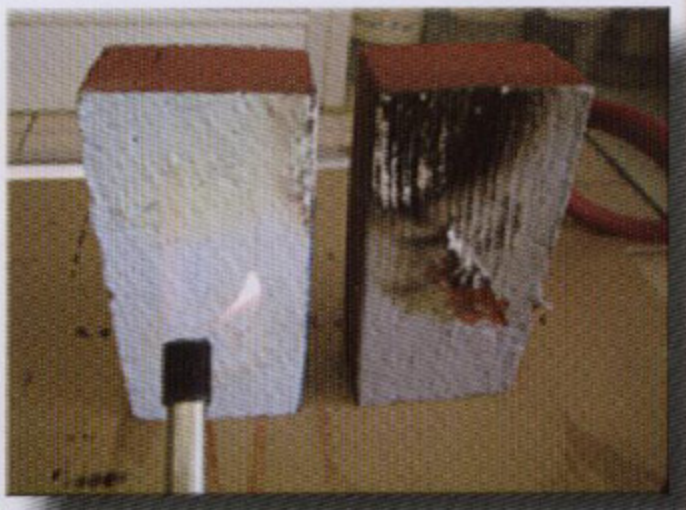


Recommended Uses and Features

- As an alternative for traditional Acrylic, Mineral & Silicone paint
- As an easy maintenance coating
- As a coating with non-combustible properties
- For protection against penetration of fungus and algae
- For protection and water proofing of various construction materials
- A water vapour open system that allows moisture and efflorescence salts within the substrate to dry out and not affect the desired aesthetic equilibrium
- For new construction, renovation and restoration works
- For decoration of interior and exterior surfaces

Surface Preparation

- The surface to be painted must be in sound condition. Dry and clean all surfaces before application.
- However slight surface dampness is acceptable
- Brickwork and all other materials to be treated, including their pointing must be frost-resistant, free of alkali, swelling agents and salts.
- Powdery surfaces must be treated with REWAH TENSIOCOAT PRIMER following the appropriate instructions for use.



Suitable Surfaces

Rewah Tensiocoat[TQ] is suitable for application onto concrete, brickwork, natural stone, hydraulic and synthetic plaster-work, fibrous boards, roof tiles, etc.

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Physical Properties

Appearance	: semi fluid
Breatheability	: < 0.1 Sd (m) Classification 1: water vapour - Open and micro porous
Colour availability	: White, pastel and full tone colours
Content of dry substance	: 61% +/- 1.0 (by weight)
Packing	: 20 litres per can
Specific gravity	: 1.5 +/- 0.1 (white, pastel and medium colours) 1.2 +/- 0.1 (full tones)
Type of raw materials	: Hybrid silanes - micro polymer
Water retention	: < 0.1 W (Kg/m2 - 24 hour) Classification 1 : waterproof
Finished appearance	: Matt

Application method

Application Tools	: by roller, brush or airless spray
Application requirement	: 2 coats / minimum
Coverage	: 0.15 to 0.20 litres / m2 / coat
Dilution	: Max. 10% with water
Dry Film thickness	: 200 ~ 250 microns 2 coats total
Over coating	: 08 hours
Surface dry	: 04 hours

Test reports

1) Water permeability to EN 16062 -3 :

w Value: 0,07 (kg /(m2 h 0,5))

2) Water vapor diffusion to EN ISO 7783 - 2:

sD Value: 0,06 m

3) Wet abrasion resistance to DIN ISO EN 13 300 :

5 µm to 20 µm at 200 Hub cycles

to DIN 53 778 :

> 5000 cycles corresponding to the classification " shear resistant "

4) Pull off strength on old coatings to ASTM D 4541:

the old paint came off the substrate,
Tensiocoat adhered to the old paint.

Tests were made on old pure acrylic based paints, styrene acrylic based paints and vinyl-acetate-copolymer based paints.

5) Q.U.V test to ASTM G 53 " Operating light- and water - exposure apparatus (fluorescent UV - condensation type) for exposure of nonmetallic materials "

UV - source:	UV-B-313 lamps / UV-A-340 lamps
Cycles:	4 hours UV at 60°C 4 hours condensation at 50°C
Duration:	1000 hours
Colours:	white, P, D, T/R

Result after 250, 500, 750 and 1000 hours: no chalking, no change in colour

6) Wettability and wetting angle : The degree of wettability is governed by the wetting angle, which is the contact angle between the water droplet and the surface

Result after 48 hours drying in the air:	150°
Result after 1000 hours Q.UV. :	158°

7) Reaction to fire : tested to BS 476 – Part 7 (1997) no flame spread was evident, classified as Class 1 product that does not support combustion.

8) The tropical test to DIN 50 017 is in process

Full versions of the test reports are available from regional distributors

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Precautions

The minimum temperature for application is 10°C. Use normal, appropriate application techniques when applying in full sun, mist, rain, risk of rain and frost.
In order to avoid overlapping marks, the layers must be applied wet on wet. Transport and store the product away from frost. Equipment should be cleaned immediately after use with water or soapy water.

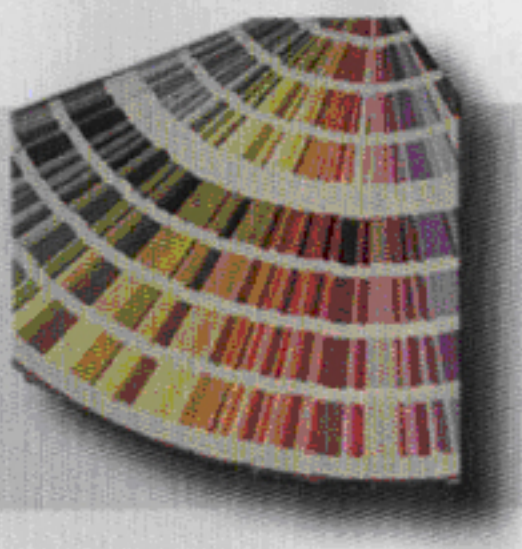
Safety measures / transport and storage

Please refer to our material safety data sheets for more information on product handling. All Rewah products are manufactured in compliance with guidelines recommended in EEG 91/155.

Disclaimer

The data contained in this document, the directions and other recommendations are based on extensive research and experience. However they cannot give rise to liability from third parties. They do not exempt the customer from examining the products and the directions for their suitability for the purpose concerned. The given characteristics and properties relate to average values and analysis obtained at 20°C, deviations are tolerated. The publication of this document supersedes previous issues (september 2004).

Rewah is an international company with factories, sales offices and stocks in more than 30 countries. For your nearest local Rewah distributor, please contact us at



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