

## Q-Coat Water & Oil Repellent Penetrating Sealer

### Product description

Q-Coat Water & Oil Repellent Penetrating Sealer serves as a high quality, general-purpose water & oil repellents for hydrophobic impregnating and priming porous mineral surfaces. Mineral substrates treated with Q-Coat Water Repellent Penetrating are especially characterized by oil and water repellency, stain resistance, and easy stain cleanup

### Properties

Q-Coat Water & Oil Repellent Penetrating Sealer reduces the capillary absorption of the building which it has penetrated, but does not clog pores or capillaries. There is therefore little or no impairment of the building material's ability to "breathe".

### Special features

- Good depth of penetration
- Rapid development of water repellency
- Highly durable and effective beading effect
- Tack-free drying
- Provides good adhesion for paints
- Water-based and environmentally friendly
- Stable in storage
- Safe to use

### Coverage

Coverage is approximately 5m<sup>2</sup> per litre depending on the substrates porosity.

### Packaging

Q-Coat Water & Oil Repellent Penetrating Sealer is available in a 20 litre drum & 4 litre containers.

### Storage

Store between 10C and 30C away from direct sunlight

### Application

Q-Coat Water & Oil Repellent Penetrating Sealer is an excellent water repellent for many absorbent mineral substrates, such as bricks, sand-lime brick, natural sandstone and mineral plasters. It is not so suitable for less absorbent, dense natural stone, especially limestone, marble and reinforced concrete for bridges and roads. Prepare the surface by cleaning all oil, grease, paint and surface defects. A suitable cleaning agent should be used on your specific surface.

#### Step 1

Use an acid wash dilution to help remove contaminants as well as slightly abrading the surface to allow for greater sealer penetration and adhesion. Use a high-pressure hose to remove all remaining cleaning agents and loose material.

Allow to fully dry.

#### Step 2

Apply Q-Coat Penetrating Sealer two (2) coats wet-on-wet. First coat can be applied rolled or sprayed to ensure a full coverage.

**Second coat should be applied while first coat is still wet and not fully dry.** Allow to soak into substrate.

#### Step 3

After applying two coats wet-on-wet don't allow sealer to pool.

If pooling is still visible after 10 minutes wipe off any excess sealer.

Keep away any water or rain from surface until fully cured

### Cleaning

Clean tools ie roller or sprayer with water afterwards.

### Curing

Allow the penetrating sealer to cure for at least 6 hours before allowing pedestrian traffic and 4 days for vehicle traffic or any other wheel mounted equipment that could impact or mark the surface.

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose.

Q-Coat is a trademark of Synergy Pigments Australia Pty Ltd

For technical, quality, or product safety questions, please contact:

Synergy Building Supplies  
236 Planet St  
Welshpool, WA, 6106  
1300 655 853  
[info@oxide.com.au](mailto:info@oxide.com.au)  
[oxide.com.au](http://oxide.com.au)

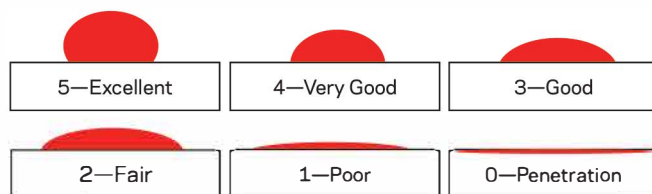
## Performance

Q-Coat Water & Oil Repellent Penetrating Sealer was compared to a competitive aqueous-based silicone sealer. Each product was applied to limestone and Saltillo (Mexican clay tile or terracotta) and allowed to dry for three days. Corn oil, Italian dressing, ketchup, mustard, grape juice, and coffee were then placed on the treated substrates. After 24 hr, the tiles were washed with a 1% soap solution and allowed to dry. The ratings were totaled for each tile sample. The results below show that Q-Coat Water & Oil Repellent Penetrating Sealer outperformed the competitive aqueous-based silicone sealer. Similar results have been achieved on other porous mineral substrates.

### Scoring System for Each Stain After Dry

No Visible Stain	0
Very Slight Stain	1
Light Stain	2
Moderate Stain	3
Heavy Stain/Complete Penetration of Stain into Substrate	4

### Scoring System for Water/Oil Repellency



5 Contact angle 100–120°    4 Contact angle 75–90°    3 Contact angle 45–75°  
 2 Contact angle 25–45°    1 Contact angle 10–25°    0 Contact angle <10°

### Performance Comparison

#### 24 hr Stain Scores of Six Stains

Treatment	Limestone	Saltillo
Q-Coat Water & Oil Repellent	2	3
Silicone (aqueous)	8	13
Untreated	19	21

Cumulative scale from 0 (best) to 24 (worst)  
 Lower score = Higher performance

Treatment	Oil Repellency	Water Repellency	Stain Resistance
Q-Coat	Excellent	Excellent	Excellent
Silicone (aqueous)	Poor	Excellent	Poor to Good
Untreated	None	None	Very Poor

## Typical Properties

Appearance	Colorless to amber liquid
Stability	Stable at normal temperatures Perishable if frozen
pH	9–11
Density, g/mL	1
Flash Point (Closed Cup), °C (°F)	Not flammable
Boiling Point, °C (°F)	~100 (~212)
Freezing Point, °C (°F)	~0 (~32)
Shelf Life	2 years
Spray*	Can be used in consumer spray, including aerosol spray cans

\*Contact Chemours technical service when considering spray applications

### Personal Safety, First Aid, Storage and Handling

See the Safety Data Sheet (SDS) for use and handling recommendations. Mix well before using. Protect from freezing.

### Q Coat Repellents and Surfactants

- Deliver more sustainable solutions with maximum performance
- Are in compliance with REACH requirements
- Are listed on TSCA inventory

For questions regarding technical data, commercialization, and sampling:

### Synergy Building Supplies

236 Planet St  
 Welshpool, WA, 6106  
 1300 655 853  
[info@oxide.com.au](mailto:info@oxide.com.au)  
[oxide.com.au](http://oxide.com.au)

Q-Coat is a trademark of Synergy  
 Pigments Australia Pty Ltd

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose.