



ADHERE BONDS
The Versatile Construction Chemicals

ADHERE COAT 403

Description

Adhere Coat 403 is a solvent free, non-toxic; high build epoxy resin protective coating with outstanding chemical and mechanical properties. **Adhere Coat 403** is supplied as a two component product in pre-weighed base and hardener packs, ready for site mixing.

Applications

Adhere Coat 403 is designed for internal applications such as:

- Heavy duty protective coating for concrete and steel.
- Internal protective lining for potable water concrete or steel tanks.
- Heavy duty wall and floor coating in food processing plants, grain silos, dairies, breweries, hospitals, pharmaceutical industries and car parks.
- High chemical resistant protective coating for power stations, oil refineries, and sewage treatment plants.

Advantages

- Approved for use in contact with potable water.
- Produces a seamless, glossy, glass-like surface that is both easy to clean and does not induce bacterial and fungal growth.
- Excellent resistance to a variety of chemicals.
- Easy to clean with a smooth, hard and glossy finish.
- Non-toxic.
- Exhibits good mechanical properties.
- Resistant to sewage effluents.

Standards

Adhere Coat 403 complies with the requirements of BS 6920:2000.

Method of Use

Substrate Preparation

Concrete surfaces:

The Substrate should be sound, clean and free from contamination. Surface Latence should be removed by grit blasting or water jetting. All exposed blow holes should be filled with epoxy paste using Adhere Mortar

Technical Properties:

Specific gravity:	1.4 ± 0.1
Solid content:	100%
Colour:	Various
Bond strength over concrete:	ASTM D4541 ≥ 2 MPa @ 7 days (substrate failure)
Pot life:	100 min @ 25°C 45 min @ 35°C
Re-coatable time:	Minimum 6hr @ 25°C Maximum 24 hr @ 25oC
Full cure:	After 7 days @ 25°C

Steel surfaces:

All surfaces should be grit blasted to reach a bright finish meeting the requirement of Swedish Standard SA 2 1/2.

Priming

Adhere Coat 403 is designed to be applied over well prepared steel and concrete substrates directly without a primer.

Mixing

To ensure proper mixing, a mechanically powered mixer or drill fitted with a suitable paddle should be used. Stir the content of each component separately to disperse any settlement. Add the entire content of the hardener to the base and mix for 3 minutes and until a uniform colour and consistency are achieved.

Packaging

Adhere coat 403 is available in 5 kg packs and 20 kg packs.

Application

Adhere Coat 403 can be applied by brush; roller or airless spray machine. The first coat should be applied to obtain a continuous uniform coating.

The second coat should be applied within the over coating time to achieve the maximum adhesion between the two coats.

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Notes:

- **Adhere Coat 403** should not be applied over existing coatings. However it can be applied on top of itself, by maintaining the mentioned over coating time.
- Application should not be carried out, when there is standing or running water.
- **Adhere Coat 403** is not color stable when exposed to direct sun light nor when in contact with some chemicals. However this color change does not affect the performance of the coating.
- Precaution is recommended if the application is taking place at high temperatures (above 30°C).

Coverage

Approximately 0.30 - 0.35 kg/m² per coat. Two coats should be applied to achieve a total of 400 microns dry film thickness.

Occasional Spillage.

Chemical Resistance after full cure (7 days @ 25°C),

Storage

Adhere Coat 403 has a shelf life of 12 months from date of manufacture if stored in dry conditions at room temperature in original unopened Packs

Note:

Whilst any information and / or specification contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendation or suggestions made by us, our representatives, agents or distributors as the conditions of use of any labour involved are beyond our control.

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