



TDS ROBEX FOODSAFE

PRODUCT DATA SHEET

DESCRIPTION

Acrylic based self-levelling/smoothing screed system, comprising RX-Primer GP, RX-Foodsafe screed and 2 coats of RX-Sealer.

Features and Benefits

1. Fast curing. Total system ready for full service in less than 2 hours from application.
2. Good impact resistance.
3. Completely seamless to meet all health standards.
4. Exceptional wear resistance.
5. Easily applied, easily cleaned.
6. High degree of resistance to chemicals, oils, sugar, etc.
7. Optional non-skid finish.
8. Good resistance to thermal shock.
9. Installation temperature range -30°C to +40°C.

Recommended Uses

Robex-Foodsafe is an acrylic resin based system for seamless, smooth floor finishes where health and hygiene standards are paramount.

It has been designed for use where food processing and manufacturing takes place as well as in hospitals and health institutions.

Robex -Foodsafe has an attractive, seamless finish which makes it well suited for general working conditions (including workshops).

Robex -Foodsafe resists thermal shock and has excellent resistance against acids, alkalis, oils, fats and a wide range of chemicals used in the process, automotive and food industries.

Typical Users

- Hospital and medical facilities.
- Industrial manufacturing facilities.
- Warehousing and storage facilities.
- Cold stores.
- Chemical and petroleum industries.
- Food and beverage processing and manufacturing industries.
- Automotive industry.
- Electronic manufacturing industry.
- Aircraft industry.



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Application Instructions

Successful bonding depends upon correct preparation of the substrate.

For concrete preparation it is important that:

- i. All oil, grease and chemical deposits are removed.
- ii. Cement and concrete surface laitance should be removed mechanically from floors.
- iii. All traces of adhesive substances, floor paints and any other contaminants must be removed.
- iv. Substrate must be clean, sound and dry with a maximum moisture content of 5% (75% relative Humidity).
- v. All exposed applications surfaces must first be primed with **Robex** Primer.
- vi. Exposed steel reinforcements should be cleaned free of rust.
- vii. Failure of **Robex** Primer to cure within 1 hour from application should be reported to **Robex** Technical Department and application should not proceed until any problems are resolved.
- viii. Metal surfaces should be shot blasted to white metal standard and treated with **Robex**–Primer Etch prior to application of any **Robex** System.

Caution

1. Before application of **Robex** materials, refer to safety and handling instructions on product containers.
2. **Robex** materials have a characteristics odour during application which is **non-toxic** and non-injurious to health. Adequate ventilation is recommended and all foodstuff in the immediate vicinity of the application area should be either removed or properly covered.
3. **Robex** materials are inflammable during application. Smoking and exposure to naked flames are not permitted.

Mixing Instructions

1. Mix 1 bag of **Robex** Foodsafe Powder (15 Kg) with 1 bottle (4 L) of **Robex** –Resin GP in a clean plastic container using a variable speed electric drill with a helical mixing paddle. This mixture will cover an area of 4 m² at a thickness of 2-3mm.
2. Seal the cured RX-Foodsafe screed with 2 pigmented coats of **Robex** -Sealer to complete the nominal 3mm system.



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Physical Properties

Curing time for pedestrian traffic.

1Hour

Finishing curing to full specification.

2 Hours

Compressive strength.

46kN/mm²

Flexural strength.

27kN/mm²

Flexural tensile strength.

26kN/mm²

Beginning deformation under pressure.

25kN/mm²

Statements made herein regarding the capabilities and performance of this product are expressions of the company's expectations based on field experience. To the best of our knowledge this information is reliable and accurate, however, the buyer must rely on his own skill and judgement in assessing suitability to the application. Robex SA accepts no liability for losses howsoever incurred arising from the Buyer's use of this product.