



TSIRCON CO LTD

MANUFACTURERS & TRADERS
OF BUILDING MATERIALS

Ημ. έκδοσης 3/2007

TSIRCO- RES SL

Self Levelling Epoxy Floor

Product: 3-component solvent-free self levelling epoxy floor topping.

Purpose: To produce a seamless, self levelling floor topping of a thickness of up to 2-4mm for:

- Industrial floors with moderate to heavy traffic.
- Food-processing areas.
- Exhibition halls and showrooms.
- Chemical industries.

Advantages:

Floors with TSIRCO-RES SL have the following advantages:

- Seamless, therefore hygiene.
- Very good adhesion to substrate.
- Very high compressive strength.
- Excellent abrasion resistance.
- Very high degree of hardness.

Technical Specification:

Density: Around 1,38kg/lit

Solid content: 100%

Compressive strength: > 70N/mm²

Flexural strength: > 50N/mm²

Tensile strength: > 55N/mm² in 28 days

Service temperature resistance: 80°C



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Where to use: TSIRCO-RES SL can be used on both old and new concrete floors, granolithic pavings and on structurally sound sand/cement screeds or on existing epoxy floors. It can be used both in interior and exterior applications.

How to use:

1. Preparation

The substrate must be free from oil, grease, dust, e.t.c. When applied to steel or other metal surfaces, any scale, rust, oil and grease should be removed completely, preferably by sandblasting. When applied on existing concrete surfaces, cleaning with acid etching and/or sandblasting should be considered.

2. Priming

If the substrate is porous, then it is recommended to use a priming coat prior to the application of TSIRCO-RES SL, such as Tsirco-Res 481 or Tsirco-Res 101. The primer should be allowed to dry before the application of TSIRCO-RES SL.

3. Mixing

Put the 'Base' in a clean container and then add the 'Hardener' slowly. Mix thoroughly the two components and add the 'Filler' while mixing thoroughly to uniform consistency.

4. Application

Spread the material evenly over the entire surface. To ensure a uniform thickness, use a toothed trowel or specially prepared equipment for even thickness. For levelling purposes and in order to help the entrapped air in the material to escape, a spiked roller may be used. The operator should wear spiked shoes to enable walking over the freshly applied topping to aid application. An anti-slip surface is achieved if on the freshly laid topping, pure silica sand is broadcast evenly. Another way to achieve the anti-slip surface, is by painting the hardened floor with Tsirco-Res 408 AS.



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Cleaning: All tools used during application can be used with TSIRCO-EPOSOLVE provided this is done before the material has set.

Handling Precautions: Always handle epoxy resin with care to prevent skin irritation. Wear long protective gloves, goggles, protective uniforms and generally avoid contact with skin or eyes. In case of irritation, medical advice should be sought.

Storage Life: At least one year provided the product is kept in the manufacturers sealed, undamaged containers and stored in a dry environment.