



TSIRCON CO LTD

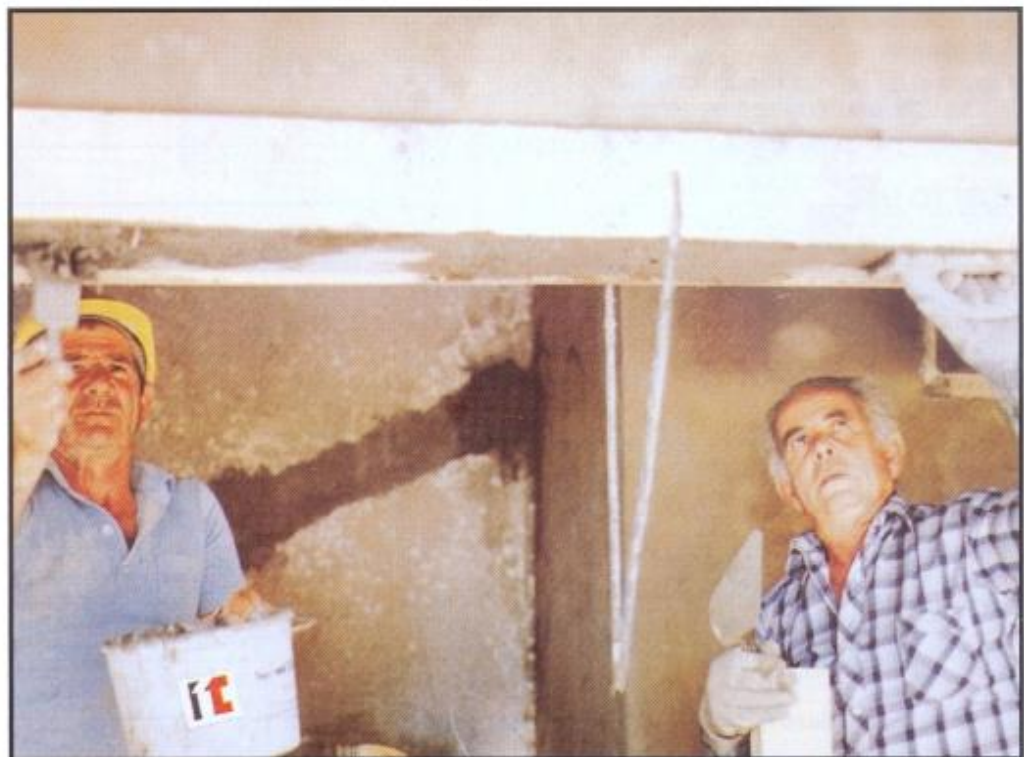
MANUFACTURERS OF
CONSTRUCTION CHEMICALS AND
OTHER SPECIALISED PRODUCTS

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TSIRCO - POLY 101

Polymeric bonding slurry



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ISO 9002



QS 2.98.037

PRODUCT

An excellent bonding agent to provide effective adhesion between old and new concrete, renders, or to provide a bonding bridge for concrete repairs.

COMPOSITION

TSIRCO - POLY 101 is a cement based two-part polymeric material which when mixed, forms a slurry with high bonding strength.

PURPOSE

- To bond new concrete to old, mortars or renders to existing cementitious substrates.
- To prime concrete and steel when patching or repairing with TSIRCO - POLY 122/122L repair mortars.

PACK

15 Kg both parts

ADVANTAGES

- Excellent adhesion to steel and concrete.
- Acts as an effective barrier against penetration of water and chlorides.
- Provides an excellent bonding coat for subsequent application of repair mortars (cement and epoxy-based).
- Not affected by moisture.
- High degree of mechanical strength.
- Pre-measured, ready-to-use packs.
- Non-flammable.
- Solvent free.

PROPERTIES

Colour: grey when mixed
component A: white liquid
component B: grey powder

Specific Gravity : approx. 2.0 Kg/lit (when mixed)
Bond Strength : 2-3 N/mm² on sandblasted concrete
1-2 N/mm² on steel
Pot Life : 30 minutes at 20°C
Min. application temperature: +5°C

WHERE TO USE

TSIRCO - POLY 101 can be used on various surfaces, internally and externally such as the following cases:

- bonding new to old concrete, e.g. screeds, extension of slabs, retaining walls, foundations, e.t.c.
- where cold joints could possibly be formed because of delays in pouring concrete.
- as a bonding agent between renders and cementitious substrates.
- priming for repairs to concrete, using TSIRCO - POLY 122/122L patching and repair mortars.
- bonding of cementitious mortars on concrete or steel.

HOW TO USE

1. Preparation

The surface to be treated must be clean and free from any loose particles and other contaminants such as oil, grease, dust, e.t.c. Where the substrate is steel or other metal surface, any scale, rust, oil and grease should be removed.

Predampen the concrete or cementitious surfaces well before application so that the surface is saturated but surface dry and absorbent.

2. Mixing

When mixing use a clear container. Pour Part A (liquid) and then add Part B (dry mix) and mix thoroughly, preferably with a slow speed mechanical stirrer, until a uniform slurry is achieved.

Do not use water or other solvent to thin down the mixture.

3. Application

Apply the mixed material by stiff brush. Material consumption depends on the roughness of the surface. However, a normal consumption is approx. 1.5 kg/m² on a relatively dense and even surface.

In case of using TSIRCO - POLY 101 as a primer for patching and repairs, apply the repair mortar TSIRCO - POLY 122/122L «Wet on Wet».

4. Cleaning

Use plain water to clean all equipment immediately after use.

STORAGE LIFE

Not less than 6 months if kept in manufacturer's undamaged sealed containers and stored in a dry and cool environment, away from frost.

HANDLING PRECAUTIONS

TSIRCO - POLY 101 is non-toxic. In case of eye splashes, wash thoroughly with water but if irritation persists, seek medical advice.

HOW TO SPECIFY

Use TSIRCO - POLY 101 to bond new concrete to old/to prime concrete, cementitious surfaces before rendering, patching and repairing *, in accordance with the instructions of the manufacturer TSIRCON CO LTD.

* Delete as applicable

NOTES

All information presented in this data sheet is due to both current development work and many years field experience. Although we have made every effort to ensure that the information is credible, we cannot assume responsibility for any work realized with our materials since we have no control over methods of application, site conditions etc. Due to continuing research and development being carried out our products, we advise customers in their own interest to make sure that has not been a more up to date publication. Our products are sold to our standard conditions of sale which are available on request.



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