



TSIRCON CO LTD

MANUFACTURERS & TRADERS
OF BUILDING MATERIALS

Ημ. έκδοσης 03/2007

TSIRCO-FLEX PU5 & PU7

Elastomeric Waterproofing Coatings

TSIRCO-FLEX PU5

Product: One-part aluminised elastomeric polyurethane waterproofing coating.

Purpose: TSIRCO-FLEX PU5 is a single-application highly elastomeric, light-reflectant waterproofing coating. It can be applied to all types of roof structures including concrete and other cement based surfaces, polyurethane foam, e.t.c.

Usage: 1kg/m² in a single-application.

Pack: 20kg drums.

Introduction: For many years now, reflectant flexible one-pack polyurethane have been used for the waterproofing of slabs. TSIRCO-FLEX PU5 is a high-build coating to waterproof and protect all types of conventional roof structures. As it is a single application material, no joints or laps are formed. Due to its high flexibility and toughness, it will contain thermal movements from ambient temperature changes which often cause sheet-roofing system and other coating systems of low quality to fail. Aluminium flakes incorporated in TSIRCO-FLEX PU5 makes the material solar-ray reflectant (reflects ultraviolet rays) and retains its flexibility throughout its life.



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Properties:

Tensile strength N/mm ²	2.4
Elongation at break %.....	107
Tear propagation resistance n/mm.....	4.0
Shore A-hardness.....	63
Skin building time, hours.....	6.5
Storage stability at 50°C, weeks.....	8

Where to use: May be used on almost all building materials such as concrete and other cementitious surfaces, polyurethane foam, tiles, lead, bituminous felt asphalt, e.t.c.

How to use:

1. Preparation

All surfaces to be treated should be dry, clean and free from any loose materials or contaminants.

2. Priming

On concrete and absorbent surfaces prime with P.U. Primer 1 at coverage of 10m²/lt and allow 4-6 hours to cure before application of TSIRCO-FLEX PU5. Metal surfaces should be primed with P.U. Primer 2 at the same coverage of 1kg/m². In cases where the roof is porous and not in a good condition, two applications may be required. Also where cracks or joints exist on the roof, Tsirco-mesh grade 10, should be incorporated between the two coats of TSIRCO-FLEX PU5 in order to increase the building properties across the crack or joint. The Tsirco-mesh should be well rolled into the first application of TSIRCO-FLEX PU5. It must be always ensured that no moisture or dust is trapped between the two coats and they are both applied within 24 hours from each other.

3. Cleaning

All tools and equipment shall be cleaned with TSIRCOSOLVENT No.8.



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Storage: TSIRCO-FLEX PU5 should be kept in a cool dry condition and shaded from direct sun. Once the container has been opened, the contents should be used as soon as possible.

How to specify: The roof* shall be waterproofed with TSIRCO-FLEX PU5. The material must be applied to prepared surfaces strictly in accordance with the instructions of the manufacturers, TSIRCON CO. LTD.

*As applicable.

TSIRCO-FLEX PU7

Product: Two-part transparent elastomeric polyurethane waterproofing coating.

Purpose: TSIRCO-FLEX PU7 is a single-application transparent, elastomeric, waterproofing coating. It can be on verandas covered with tiles, ceramic or any other kind of cementitious or concrete substrate.

Usage: 1kg/m² in a single application.

Pack: 15kg (Comp A + B).

Introduction: TSIRCO-FLEX PU7 is a transparent two-component weather resistant, polyurethane elastic coating.

Properties:

Tensile strength N/mm ²	9
Elongation at break %.....	174
Tear propagation resistance n/mm.....	21
Pot life at 20°C hour.....	1
Shore A/D Hardness.....	68/-
Mixing Ratio (by weight) Comp. A: Comp. B.....	1:1



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Where to use: May be used to waterproof and protect floors from wear, water and chemical attack without loss of appearance. Such floors are marble, granite, natural stone, ceramics, granolithic, terrazzo, and terracotta e.t.c.

How to use:

1.Preparation

All surfaces to be treated should be dry, clean and free from any loose materials or contaminants.

2. Application

Component A and Component B to be mixed in a dry and clean container preferably by the use of an electric stirrer. During mixing make sure that the drill is set at the lowest speed and do not switch it on until the blade is fully submerged to ensure that no air is driven into the mixture. Apply the coating by the use of a roller or a brush.

Cleaning: All tools and equipment shall be cleaned with TSIRCO-SOLVENT No.8.

Storage Life: TSIRCO-FLEX PU7 should be kept in a cool dry condition and shaded from direct sun. Once the container has been opened, the contents should be used as soon as possible.

How to Specify: All verandas* shall be waterproofed with TSIRCO-FLEX PU7. The material must be applied on a suitably prepared surface strictly in accordance with the instructions of the manufacturers, TSIRCON CO. LTD.

*As applicable.