



**TSIRCON CO LTD**

MANUFACTURERS & TRADERS  
OF BUILDING MATERIALS

Ημ. έκδοσης 08/2016

# **TSIRCO-SEAL AC**

## **Acrylic concrete sealer**

### **Product**

A clear economic sealer (surface hardener) for concrete and cementitious floors & walls and other substrates like stones, bricks and marbles.

### **Composition**

TSIRCO-SEAL AC is based on acrylic polymers in special thinners.

### **Purpose**

- To seal concrete and other cementitious surfaces, stones and bricks or any other substrates like marbles, in order to give increased resistance to dusting and chemical attack.
- To improve the abrasion resistance.
- To give protection of the substrate against carbonation.

### **Usage**

For dense substrates the coverage is approximately 5m<sup>2</sup>/kg in two coats. The application rate differs according to the roughness and the porosity of the substrate. Trials should be carried out on site in order to determine the actual consumption.

### **Pack**

20lt and 210lt drums.

### **Durability**

TSIRCO-SEAL AC is a durable sealer, which prevents dusting of floors and improves abrasion and chemical resistance. It is also used on walls to prevent

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the penetration of water and gives protection of the structure against carbonation. The maintenance cost is therefore reduced.

## Typical Product Data

**Appearance:** Colourless liquid

**Density at 20°C:** 0,80kg/lit

**Flash point:** above 42°C.

## Where to use

It can be used on either new or old surfaces such as concrete floors, granolithic paving and cementitious screeds. It can also be used on different kind of stones however trials should be carried out before application to assess the appearance of the treated surface. It is used on walls for protection against water penetration and carbonation. Specially designed for use in factories, warehouses, garages, e.t.c. It can also be used to seal paving blocks, roof tiles, stones, marbles, e.t.c. The product is breathable and therefore water can escape. The product prevents efflorescence action. Efflorescence is precipitates of salt on the surface of a material.

## How to use

**1. Preparation:** The substrate to be treated must be clean and free from any loosely adhered particles and other contaminants such as oil, grease, dust, e.t.c. Different equipment or methods can be used for cleaning contaminated surfaces, depending on the degree and type of contamination such as wire brushing, sandblasting, water jetting, acid etching, e.t.c.

**2. Application:** As TSIRCO-SEAL AC contains solvent, enough ventilation should be provided at the working place. No smoking is allowed during the treatment, as the flash point of the material is quite low. At the time of application the substrate must be dry to assist adhesion and maximum penetration of the material.

Apply TSIRCO-SEAL AC evenly on the substrate by brush, roller or airless spray allowing the material to penetrate into the substrate. Any excess material resting on the surface must be removed before drying. For porous surfaces a second coat must be applied within 24 hours from the first coat however not before the first has dried.



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- 3. Curing times:** a) For tack free: between 1-2 hours depending on temperature and humidity.
- b) For open to traffic: between 24-48 hours depending on temperature and humidity.

**4. Cleaning:** Clean all tools and equipment immediately after use with mineral solvent or with the TSIRCO-EPOSOLVE.

## Handling

Wear protective clothing to avoid contact with the skin. In the event of contact with the eyes, wash with plenty of water. If irritation insists, ask for medical advice. If ingested, medical assistance should be sought immediately. Do not heat with or expose to a naked flame.

## Storage

Not less than one year if kept in manufacturer's sealed containers and stored in dry and cool conditions away from direct sunlight.

## How to specify

All surfaces as (indicated) to be treated with one/two coats of TSIRCO-SEAL AC strictly in accordance with the instructions of the manufacturers, TSIRCON CO. LTD.