



**TSIRCON CO LTD**

**MANUFACTURERS & TRADERS  
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# TSIRCO-DUSTOP 16

**Liquid surface hardener/dustproofer for concrete**



**Product:** Ready for use surface hardener and dustproofer for cementitious floors.

**Composition:** Clear liquid, specially formulated to react with the free lime or calcium salts present in cementitious floors, to form a complex and insoluble mixture.

**Purpose:**

To provide concrete:

- Dustproofness
- Strengthening of its surface
- Increased resistance to abrasion
- Reduction in permeability

**Usage:** 1Lt of the material will treat about 2-5 m<sup>2</sup> in a two-coat treatment.

**Pack:** 20lt and 210lt drums.

**Advantages:**

TSIRCO-DUSTOP 16

- Solves the dust problem of cementitious floors.
- Hardens the surface of the floors.
- Reduces permeability of concrete to water and other liquids.
- Improves resistance to abrasion.

- Is economic and easy to apply. Application can be done by unskilled labour.

**Introduction:** Concrete floors, even when applied in accordance with good concrete practice, are liable to dusting. Dusting is not only harmful to health but it also reduces machinery-life and many times causes break downs of electronic operating units. Furthermore when floors are subject to traffic it becomes liable to damage and deterioration. If oils, acids or other liquids are spoiled on the floor, we recommend the use also of our other systems such as epoxy, polyurethanes, acrylics etc. For further information please contact our Technical Department. Treatment with TSIRCO-DUSTOP 16 solves the dusting problems. In addition it hardens the concrete surface and reduces permeability of concrete to water and other liquids.

**Properties:** TSIRCO-DUSTOP 16, when applied to concrete surface is absorbed into the surface and there reacts with free lime or calcium salts to form a complex and insoluble mixtures which fills the pores, binding and strengthening the cement phase to give a



denser and harder surface with increased resistance to abrasion.

**Where to use:** TSIRCO-DUSTOP 16 can be used either in new cementitious floors or in existing ones provided that no serious damages, deterioration or penetration of chemicals taken place on the floors. In case of damaged or polluted floor please consult our Technical Department for advice prior to the use of any of our products. Areas of application of TSIRCO-DUSTOP 16 are warehouses, garages, factories, ramps, concrete roadways, floors beneath raised floors, etc.

**How to use:**

*1. Surface Preparation*

All concrete must be clean, sound and free from oil, grease, cement laitance and coatings. After cleaning the surface, allow enough time for the floor to dry-out thoroughly in order to achieve maximum penetration of the TSIRCO-DUSTOP 16. New floors should be allowed to cure for at least 10 days before treatment takes place. Do not treat concrete with Curing membranes. For efficient curing, cover the freshly cast concrete with polyethylene sheets, damp Hessian, etc.

In case of existing floors when there is doubt to the cleanliness of the surface or as to the nature of any previous treatment, it is advisable to treat a small trial area with TSIRCO-DUSTOP 16 in the first instance.

*2. Application*

TSIRCO-DUSTOP 16 is a ready for use solution. Apply the product by means of a spraying machine or brush it over the surface with a brush or squeegee. Any excess solution should be drained off. Allow the concrete to absorb the material, leaving a dry surface. Usually 1-12 hours is enough period for the treatment to dry.

When this period has elapsed the second coat should be applied in the same way as the first. Only in case of very porous surfaces a third coat should be necessary.

After the final application and whilst the floor is still damp, the surface should be washed with clean water to remove any solution which has not been absorbed.

This washing is important in order to prevent crystallisation of the material on the surface, which is liable to dusting.

**Precautions:** Do not spill or splash TSIRCO-DUSTOP 16 on paintwork or clothes. In such event wash it off with water as soon as possible.

**Coverage:** For typical dense concrete 1Lt of TSIRCO-DUSTOP 16 will treat about 2-5m<sup>2</sup> in two coats.

**Storage Life:** At least one year if stored in the manufacturers sealed containers in dry and cool conditions.

**How to Specify:** All surfaces (as indicated) shall be treated with two coats of TSIRCO-DUSTOP 16 used strictly in accordance with the manufacturers' instructions.

**Notes:** TSIRCO-DUSTOP 16 can be used on floors where TSIRCO-STRONGS or TSIRCO-STRONGS T.I.B. have been used. Such a combination will give a more durable strong, long-lasting floor, which can be used, in areas with heavy traffic.