

# TECHFAN CONCRETE DENSIFIER NA

## SEALER HARDENER FOR CONCRETE FLOORS

### DESCRIPTION

TECHFAN CONCRETE DENSIFIER NA is a low viscosity, waterbased liquid chemical hardener for concrete. It is designed to improve the general abrasion resistance and non-dusting nature of the surface.

### TYPICAL APPLICATION

Surface enhancement of concrete floors to be used as a wearing surface and for dust proofing:

- Warehousing
- Factories
- Garages
- Dusting of concrete floors can present a problem

### ADVANTAGES

- Eliminates dusting
- Improves wear resistance
- Reduces water and oil permeability
- Application to new and old floors
- Facilitates maintenance and cleaning
- Easy to use
- Economical
- Permanent treatment

### ACTION

Techfan Concrete Densifier NA reacts with the free lime produced during cement hydration to form chemical bonds and insoluble crystals thus binding the particles together, densifying and sealing the surface.

### COMPOSITION

Techfan Concrete Densifier NA is an aqueous, colourless solution of sodium silicate and proprietary surface active additives.

### DIRECTIONS

Ensure that the floor is completely clean and dry. Remove all grease, oil, paint and curing compound. The concrete must be porous to accept the treatment and anything that interferes with the porosity must be removed.

Apply the TECHFIN CONCRETE DENSIFIER NA by spray or soft broom at a rate of 10m<sup>2</sup> per liter. Continue brushing into the surface until uniform coverage is obtained. Add extra material if complete absorption takes place. A slippery finish will result at which stage treatment is complete. Some floors require a second or third application, perform this 24 hours after the first coat. A rinse down with water before hardening occurs to remove excess pooled product and slipperiness is essential to obtain a uniform finish. Once dry the floor is ready for use.

### WATCH POINTS

#### New Concrete

Allow new floors to cure fully (14 days min.) before application.

#### Dense Floors

Hard compacted / powerfloated surfaces may not have sufficient porosity to allow absorption of the Techfan Concrete densifier NA. Prior to treatment test for absorption of water. If concrete is absorbent, test a small area with neat product to assess penetration efficiency. Then proceed accordingly i.e.: surface preparation may be required.

### POROUS FLOORS

Techfan Concrete Densifier NA is not suitable for floors with excessive porosity. In such cases Techfan Seal & Strengthen should be considered.

### OTHER PRECAUTIONS

Take care to protect glass, paintwork, brickwork and furnishings from splashes. Do not use Techfin Concrete densifier NA on brickwork or masonry and will not work on weak, friable and loose concrete.

### TECHNICAL DETAILS

Coverage:

Wood floated concrete: 3.5 – 5m<sup>2</sup> / L (2 coats)

Smooth concrete: 5 – 7m<sup>2</sup> / L (2 coats)

Powerfloated concrete: 8-10m<sup>2</sup> / L (1 coat)

Appearance: Colourless liquid

### EQUIPMENT CARE

All equipment should be washed in clean water after use.

**PACKAGING:** 5L, 25L and 200L drums

### SPECIFICATION CLAUSE

#### Techfin Concrete Densifier NA

All concrete, granolithic and screed wearing surfaces shall receive two coats of Techfin Concrete Densifier NA as manufactured by Technical Finishes Pty Ltd. Apply the product as specified by the manufacturer.

### STORAGE

Store under cover, out of direct sunlight and protect from extreme temperatures. Failure to comply with storage instructions may result in premature deterioration of the product or packaging. Store in a cool dry place.

#### Gauteng

#### Kwa-Zulu Natal

#### Western Cape