

PRODUCT DATA SHEET

NEPFLOW CURESHIELD BS-253TM

Water wax based curing compound

DESCRIPTION

NEPFLOW CURESHIELD BS-253 is water based concrete NEPFLOW CURESHIELD BS-253 CC based on a low viscosity wax emulsion. It is supplied as a white emulsion which forms a white film on drying. When first applied to a fresh cementitious surface the emulsion breaks to form a continuous, non-penetrating white coating. This dries to form a continuous white film which provides a barrier to moisture loss, ensuring more efficient cement hydration, improved durability and reduced shrinkage.

PROPERTIES

Improved curing of concrete enhances cement hydration and provides a more durable concrete. Rapid film formation

Better resistance to abrasion Non-flammable, non toxic

APPLICATION

Suitable for all general concreting applications and of particular benefit for

- Large area concrete surfaces,
- Pavement
- Abutments in bridges
- Airport runways,
- Bridgeworks
- Roads

ADVANTAGES

- Effective curing membrane allows continuous and gradual curing without constant attention. Control of moisture loss improves surface quality, reducing permeability, producing a hard wearing, dust free surface.
- No curing necessary-eliminates use of water, completely.
- Reduces surface cracking and shrinkage by eliminating moisture loss.
- Spray application reduces labour costs and eliminates the need for alternative curing systems.

METHOD OF APPLICATION

NEPFLOW CURESHIELD BS-253 CC should be spray applied to the surface of fresh concrete. Do not apply if bleed water is forming or present on the concrete surface. The spray nozzle should be held approximately 450 mm from the concrete surface and passed back and forth to ensure complete coverage. Pump pressure should be maintained to give an even, fine spray. After spraying, no further application of water or other material is necessary to ensure continued curing. The concrete surface should not be disturbed until it has sufficient strength to bear surface loads. The applied film should not be walked on before it is fully dry and care should be taken to ensure that the film is not broken. If you want to put concrete on

NEPFLOW CURESHIELD BS-253 CC sprayed surface, then you first remove the curing compound from surface by scrubbing wire brush or mechanical means & then you put concrete on it.

NEPFLOW CURESHIELD BS-253 CC may also be applied to the surface of newly hardened concrete immediately after demoulding. In such cases the concrete surface must be damp and not dry. Dry surfaces may prevent correct film formation and cause absorption of the NEPFLOW CURESHIELD BS-253 CC which may lead to staining and difficulty in later removal.

Standards Compliance

NEPFLOW CURESHIELD BS-253 CC conforms ASTM - C 309 - 74

COVERAGE

It has approx. coverage 3.5 to 5 m² per kg

STORAGE

Container kept in dry conditions at a temperature between 50to 450C Storage at higher temperature high humidity may reduce shelf life.

SHELF LIFE

NEPFLOW CURESHIELD BS-253 CC will have shelf life 6 month in unopened containers and keep safely.

PACKING

Available in 50 Kg & 220 Kg

TECHNICAL INFORMATION:

Properties	Results
Appearance	White color liquid
Specific gravity at 30°C	0.87 ± 0.02
Viscosity at 30°C by B4 cup	15-16 sec
Application temperature	5 °C to 45°C
Drying time	Approx 2 hrs at 30°C