

Setseal 22

Water-based paraffin dispersion concrete curing compound



Description

Setseal 22 is a water-based curing compound formulated from selected emulsified paraffin to form a low viscosity wax emulsion. Setseal 22 supplied as clear and white pigmented colours; the clear colour is a white liquid, which forms a wet white film when applied to concrete surfaces, this dries to form a transparent film.

The white pigment colour is a white milky liquid, which forms a white film after drying and reflect 60 - 80% of the sunlight providing the recommended coverage has been maintained.

The two grades are designed to retain sufficient moisture in the concrete to ensure full hydration of the cement, which is essential for optimum strength development.

Applications

Setseal 22 is used mainly for newly casted concrete and cementitious surfaces to retain sufficient moisture to ensure full hydration of the cement. Typical application areas include:

- ▲ Runways and roads.
- ▲ Roof decks.
- ▲ Retaining walls.
- ▲ Irrigation canals.
- ▲ Concrete floors.
- ▲ Columns and underground foundations.

Advantages

- ▲ Helps to achieve concrete desired strengths.
- ▲ Minimizes potential surface cracking and shrinkage.
- ▲ Promotes a harder dust-free surface.
- ▲ Single component.
- ▲ Can be spray applied to reduce labour cost.

Standards

Setseal 22 complies with AASHTO M 148 and ASTM C309, Type 1 and 2, Class A, when applied at the recommended coverage rate.

Method of Use

Setseal 22 should be spray applied as soon as possible to the fresh concrete, provided that the surface water has evaporated.

Do not apply if bleed water is forming, or is present on the concrete surface. Stir Setseal 22 well before use to ensure even pigment dispersion. Setseal 22 should be spray applied, and the spray nozzle should be held approximately 18" (457 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.

The applied film should be protected from rain for at least 3 hours; care should be taken to ensure that the film is not broken.

In the case of formed concrete, Setseal 22 should be applied immediately after de-shuttering. In such a case, the concrete surface must be dampened with clean water prior application of Setseal 22. Dry surfaces may prevent correct film formation and cause absorption of the Setseal 22 into the concrete surface, which may lead to staining and difficulty in later degradation and removal.

Remarks

- ▲ Complete removal of Setseal 22 must be ensured before the application of any surface finishes or additional surface treatments.
- ▲ Setseal 22 can be removed by using high-pressure steam, water jetting or light sandblasting.
- ▲ It is recommended to use Setseal AW where the concrete is to receive a coating or further surface treatment.
- ▲ Setseal 22 minimum application temperature is 41°F (5°C).

Cleaning

Tools and equipment can be cleaned with soap and water when the material is still wet. Remove dried Setseal 22 with DCP Solvent.

Packaging

Setseal 22 is available in 5 gal (19 litre) containers, 275 gal (1,041 litre) and 330 gal (1,249 litre) IBC totes.

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Coverage

The recommended coverage rate is 100 - 145 ft² per gal (2.5 - 3.5 m²/litre).

Storage

Store in a dry area out of direct sunlight between 41°F and 95°F (5°C and 35°C).

Shelf Life

Setseal 22 has a shelf life of 12 months from date of manufacture for the clear colour, and 9 months for the pigmented colour, if stored in proper conditions in unopened drums.

If these conditions exceeded, contact DCP Technical Department for advice.

Cautions

Health and Safety

Setseal 22 is not classified as a hazardous material. In case of accidental splashes to the eyes, immediately flush with plenty of water and seek medical attention. Suitable protective gloves and goggles should be worn.

For further information, refer to the Material Safety Data Sheet.

Fire

Setseal 22 is water-based and is nonflammable. DCP Solvent is flammable. Ensure adequate ventilation. Do not use near a naked flame and do not smoke during use.

Flash Point:

DCP Solvent: 99°F (37°C).

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Note:

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