



TYL[®] - ChemCure Agent

Water Based Concrete Curing Compound

202006

DESCRIPTION

TYL[®]-ChemCure Agent water based concrete curing compound is based on a low viscosity wax emulsion. It is applied as a white emulsion which forms a clear film on drying. When first applied to a fresh cementation surface the emulsion breaks to form a continuous clear film which provides a barrier to moisture loss, ensuring more efficient cement hydration, improved durability and reduced shrinkage.

ADVANTAGES

- Improved curing of curate enhanced hydration process and provides a more durable concrete.
- Control of moisture loss improves surface quality, reducing permeability, producing a hard wearing, dust-free surface minimizing potential for surface cracking and shrinkage.
- Fugitive color provides visual guide during application and also available in white pigmented grade.
- Water based and non-flammable.
- Non-toxic, does not impart a taste to the water and suitable to use in potable or fresh water rank
- Spray application reduces labor costs, therefore eliminates the need for alternative curing systems.
- Manufactured with a fugitive dye.
- Does not contain organic solvents.
- Increased durability through greater curing efficiency
- Reduces drying shrinkage and resultant cracking
- Designed for use where water is scarce or not readily accessible
- Application temperature range is 6°C to 70°C



- Not react chemically with the concrete to be cured and no crack, peel or disintegrate.

USES

- As a spray applied membrane to retain moisture in concrete for effective curing
- Suitable for all general concreting applications of particular benefit for large area concrete surfaces, such as airport runways, roads and bridgeworks.

PHYSICAL & MECHANICAL

PROPERTIES

Property	Typical Result
Specific gravity	1
Curing Efficiency	>97%

SPECIFICATION COMPLIANCE

- CEDD Clause 16.11 & 16.17(3).
- BS7542

APPLICATION INSTRUCTIONS

It should be spray applied to the surface of fresh concrete. Application should begin immediately the concrete is free from surface water. Do not apply if bleed water is forming, or is 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. The fugitive white colour during application provides a guide to the area covered. 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, care should be taken to ensure that the film is not broken.



The clear or opaque film produced by TYL[®]-ChemCure Agent will degrade in direct sunlight within 21 days.

TYL[®]-ChemCure Agent is stable and achieves the specified resistance to evaporation of water from the concrete surface within 60 mins after application. It does not react chemically with the concrete to be cured and shall not crack, peel, or disintegrate within 21 days.

PACKAGING

210 and 25 litre drums.

COVERAGE

5 to 6.5 sqm per liter.

LIMITATIONS

Avoid excessive application and skin contact. Do not discard into the water system.

STORAGE

It has a minimum shelf life of 12 months, provided the temperature is kept within the range 4°C to 40°C. Freezing and prolonged exposure to heat or direct sunlight should be avoided.

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