



concrete curing compounds

bitumen based products

RESCURE

(Hydrocarbon Resin Concrete Curing Compound)

AS 3799 Class B



DESCRIPTION:

Research and practical experience has shown that the finished appearance and strength of concrete is determined mainly by the curing time. If the concrete dries out too quickly, the concrete will be powdery and surface cracks that initially appear, slowly spread through the thickness of the slab resulting in a loss of strength and durability. The curing process involves a reaction taking place in which the cement is converted to complex hydrated silicates. The slower the better and water must be present during this curing process, especially in the early stages. Most of the water is lost due to evaporation, therefore if a thin non permeable membrane can be applied to the concrete, this water loss can be greatly reduced resulting in stronger, more durable concrete.

High temperatures during drying also effect the full strength of the concrete. Heat ensures a quicker evaporation rate, resulting in the weakening of the final concrete structure, thus a thin, heat stable, impervious membrane is required.

Resin based concrete curing compounds were developed to fulfil this need and an additional advantage of their use is they afford protection against rain within 30 to 40 minutes after application.

APPEARANCE: A thin smooth quick drying liquid that can be easily sprayed. Normally it is clear or pale yellow in colour, but a fugitive dye can be added for ease of application and inspection. (The dye fades to a clear/yellow finish within a short time under exposure to solar ultra violet rays).

SPECIFIC GRAVITY: 0.90 kg/litre

APPLICATION: For the best results, Rescure should be sprayed onto concrete immediately after the surface is free of water.

This will dry to a durable shiny film in 30 minutes @ 25°C. Full hardness of the 60 micron dry film develops within 6 hours.

Care should be taken not to apply the curing agent too early, especially if applied by the brush or roller, since the soft concrete surface may be damaged by the application.

COVERAGE: Steel trowelled surfaces - 0.2 litres/m²

Wood floated surfaces - 0.25 litres/m²

SAFETY PRECAUTIONS: Since the curing compound is a solution of Hydrocarbon resins in a volatile organic solvent, there is a FIRE DANGER. See Safety Data Sheet for further details. Do not use in enclosed areas and no smoking by operators.

STORAGE: The material should be stored in a cool dry place away from direct heat and naked flames.

Rescure

TECHNICAL SPECIFICATIONS: The material conforms to RTA specifications 3203 and AS 3799, Class B with a minimum water retention of 90%

PACKAGING: Rescure can be supplied in 20 litre pails, 205 litre drums and in bulk.

Steel containers are recyclable provided they are empty and any residual product is dry.

BITUMINOUS PRODUCTS

Sydney
(02)9772 4433

Brisbane
(07)3260 1088

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(03)9706 6444

Townsville
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