

Polycure R

Hydrocarbon resin based concrete curing compound

Non-degradable, protective membrane forming liquid suitable for spray application on freshly poured concrete.

CHARACTERISTICS

- ▶ High curing efficiency
- ▶ Non-Degradable, acts as a primer for subsequent finishes
- ▶ Provides a hard & dust free surface
- ▶ Reduces chloride penetration
- ▶ Abrasion resistant floors
- ▶ Eliminates the need for water
- ▶ Reduces labor cost as it is one time application



DESCRIPTION

Polycure R is a hydrocarbon resin based curing compound. It is a non-degradable, protective membrane forming liquid suitable for spray application on freshly poured concrete. The film retains sufficient moisture in the concrete required for full hydration of cement which is essential for full strength development. The membrane further acts as a primer system for subsequent surface finishes. It also provides a dust free surface to the concrete with a reduced incidence of drying shrinkage cracks.

FIELDS OF APPLICATION

- Polycure R is suitable for use on all concrete surfaces and acts as a more effective and or economical alternative to separate curing, priming systems.
- in high rise construction to eliminate the requirement for water.
- in areas subjected to high drying winds which require continuous curing.
- surfaces, which requires subsequent finishes.

APPLICATION INSTRUCTIONS

Polycure R is to be spray or roller applied as evenly as possible to the freshly placed concrete. For horizontal surfaces the curing compound should be applied as soon as the initial sheen has disappeared from the concrete surface. In the case of form concrete, the product is to be applied immediately on removal of the formwork.



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COVERAGE

The rate of application is 4.5-5.5 m²/L however, higher coverage rates can be achieved in favourable conditions, such as shaded interior surfaces. An additional coat of Polycure R is recommended on concrete surfaces, which will be subjected to harsh rough conditions.

PRIMER FOR SUBSEQUENT FINISHES

Polycure R acts as a primer and bonding agents for the following systems:

- water based emulsion paint systems containing PVA, PVC, and acrylic co-polymers
- tile adhesives based on the above polymers
- bitumen based emulsions or solutions
- cementitious systems
- polyurethane systems
- polysulphide sealants
- epoxy resin systems

STORAGE & SHELF LIFE

Store in a cool, dry place and keep away from all sources of heat and sunlight. In tropical climates, store in air condition rooms. The shelf life is up to 12 months in unopened conditions and if stored as per recommendations.

excessive exposure to sunlight, humidity and UV will result in the deterioration of the quality of the product and reduce its shelf life.

HEALTH & SAFETY

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves, goggles should be worn. Use in wellventilated areas and avoid inhalation. Treat any splashes to the skin with fresh potable water immediately. Should any of the product be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. Ensure the container is available for the medical attendant to examine any relevant instructions and content details. Reseal all containers after use and ensure the product is stored as instructed on the safety section of the labeling.

SUPPLY

Polycure R 200L drum

TECHNICAL SPECIFICATION

PROPERTIES	VALUES	TEST STANDARDS
Specific gravity, [g/cc]	0.8 ± 0.05	ASTM D 1475
Appearance	Clear liquid	-
Finished film	Clear	-
Water retention	Pass	ASTM C 309
Drying time, [minutes]	45	-
Application temperature, [°C]	5 to 55	-

All values given are subject to 5-10% tolerance

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards. The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23°C and 50 % relative air humidity at laboratory conditions unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.