



TECHNICAL DATA

Max-Cure Cementitious Grout Curing Compound

Water Based Concrete Curing Compound

Description

Max-Cure Cementitious Grout Curing Compound is a wax emulsion based curing compound which provides curing and sealing for green concrete and cementitious grout. **Max-Cure Cementitious Grout Curing Compound** exceeds the moisture retention requirements of AS3799.

A minimum period of 7 days of moist curing is generally recommended for concrete containing normal Portland cement. For concretes containing either a blended Portland cement or a mineral admixture, a longer curing period would be desirable to ensure the strength contribution from the pozzolanic reaction. Since the amount of mixing water used in a concrete mixture is usually more than needed for Portland cement hydration (estimated to be about 30 percent by weight of cement), the application of **Max-Cure Cementitious Grout Curing Compound** soon after concrete placement provides an acceptable way to maintain the process of cement hydration and to ensure a satisfactory rate of development of concrete strength.

Max-Cure Cementitious Grout Curing Compound can also be used to cure cementitious grouts, mortars and repair systems such as **Supaflo HF Grout**, **Five Star Superstrength Grout**, **Five Star Instant Grout**, **Class A General Purpose Grout**, **Class A Superstrength Grout**, **Hot Weather Class C Grout**, **Ezirender High Build**, **Ezipatch Superset** and **Highway Patch**.

Concrete treated with **Max-Cure Cementitious Grout Curing Compound** is **not suitable** for coatings, toppings or renders.

Areas of application

- General concrete curing
- Precast concrete components
- Car park construction

Features

- Easy application by spray, roller or brush
- Non flammable
- No solvent fumes
- Increases curing efficiency
- Reduces shrinkage and cracking
- Meets relevant code

The information contained in this Technical Bulletin is as up to date and correct as possible as at the time of issue. The data provided should be used as a guide only as the performance of the product will vary depending on differing operating conditions and application methods.

The sale of any product described in this Technical Bulletin will be in accordance with ITW Polymers & Fluids Conditions Of Sale, a copy of which is available on request. To the extent permitted by law, ITW Polymers & Fluids excludes all other warranties in relation to this product.

General properties

Shelf Life	:	12 months
Solids Content	:	30%
Viscosity	:	85-250 mPa.S
Colour	:	White
Coverage:		
Wood Floated Concrete	:	3m ² /Litre
Steel Trowelled Concrete	:	5m ² /Litre
Drying Time	:	4 Hours at 25°C
Curing Efficiency (AS3799)	:	94%
Storage Temperature	:	Minimum 5°C

Estimating data

20 litre **Max-Cure Cementitious Grout Curing Compound** = 60 m² (Wood floated concrete)
 = 100 m² (steel trowelled concrete)

Application directions

New Concrete

Apply **Max-Cure Cementitious Grout Curing Compound** evenly over freshly laid concrete as soon as the surface has hardened sufficiently to prevent marking. Do not apply if concrete is excessively wet. **Max-Cure Cementitious Grout Curing Compound** is suitable for application to plain concrete on horizontal or vertical surfaces - either smooth or textured.

For vertical surfaces, apply immediately formwork is removed.

Max-Cure Cementitious Grout Curing Compound should be applied uniformly using a wide short nap roller, brush or fine mist spray. **Max-Cure Cementitious Grout Curing Compound** can also be used to cure cementitious grouts, mortars and repair systems such as **Supaflow HF Grout**, **Five Star Superstrength Grout**, **Five Star Instant Grout**, **Class A General Purpose Grout**, **Class A Superstrength Grout**, **Hot Weather Class C Grout**, **Ezirender High Build**, **Ezipatch Superset** and **Highway Patch**.

Concrete treated with **Max-Cure Cementitious Grout Curing Compound** **IS NOT SUITABLE FOR COATING**.

Wax emulsions consist of extremely small charged particles suspended in water. Handling and cleanliness is important if satisfactory long term stability is to be achieved. Transfer of product should be by diaphragm, peristaltic or mono pumps, **never** gear or lobe pumps.

Max-Cure Cementitious Grout Curing Compound should be stored under cover to reduce exposure to excessive heat or cold. At no time should the product be exposed to temperatures below 5°C.

Surface preparation guidelines cannot cover all site or field contingencies and it is always recommended that an on-the-spot test be performed as part of the Standard Quality Assurance audit for the project.

Cleaning

Tools and equipment should be cleaned before hardening commences by washing with water to avoid wax build up. Dried product may be removed with hot water or steam.

AUSTRALIA

ITW Polymers & Fluids
 100 Hassall Street
 Wetherill Park NSW 2164
 Phone (02) 9757 8800 Fax (02) 9757 3855

NEW ZEALAND

ITW Polymers & Fluids
 18-26 Amelia Earhart Avenue
 Airport Oaks, Mangere, Auckland
 Phone (09) 256 2122 Fax (09) 256 2124

Limitations

Concrete coated with **Max-Cure Cementitious Grout Curing Compound** is not suitable for coatings, toppings or renders.

Storage and Shelf life

Store in dry conditions between 10°C and 30°C, away from sources of heat and naked flames. Protect from frost. When stored in original sealed containers shelf life 12 months.

Packaging

Max-Cure Cementitious Grout Curing Compound is available in 20 kg drums.

Ordering Information:

20 kg drum #992605

Safety precautions

Follow normal coating precautions. Keep away from fire or naked flame. Keep contents away from children. If swallowed, call a Doctor or Poisons Information Centre. When mixing or using, avoid skin contact or breathing of vapours. If splashed on skin, wash with soapy water.

TDG Code: Not Classified

NOTE

The figures quoted for drying time and coverage are not definitive. They are dependent on job site conditions and will vary accordingly. In all cases we endeavour to provide typical figures for use as a guide.

Health & Safety Information

The product is non-hazardous. A Material Safety Data Sheet is available from the ITW Polymers & Fluids Technical Department upon request or available on our website www.epirez.com.au.

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