

MASTERKURE[®] 191 RANGE

(Formerly sold as Febcure Range)

A Range Of Resin Based Concrete Curing Compounds

Description of Product Range

The MASTERKURE[®] 191 range are membrane forming resins, suitable for spray application to freshly poured concrete.

MASTERKURE[®] 191 - 90% efficiency

- High curing efficiency curing compound for applications where high performance concrete is required.

MASTERKURE[®] 191 S - 70% efficiency

- General purpose curing compound suitable for all concrete surfaces.

Fields of Application

As a highly efficient membrane to ensure full curing of concrete. More effective and labour saving alternative to hessian and water curing regimes.

The resultant film retains sufficient moisture in the concrete to ensure full hydration of the cement; essential for optimum strength development. Membrane cured concrete is typically more durable and exhibits a dust free surface with a reduced incidence of drying shrinkage cracks.

Features and Benefits

- Eliminates the need for water ponding.
- Single coat application.
- Promotes a harder dust free surface.
- Reduces drying shrinkage.
- High curing efficiency.
- Reduced labour costs.

Technical Data/Typical Properties

PROPERTY	MASTERKURE [®] 191S	MASTERKURE [®] 191
Appearance:	Turbid liquid	Turbid liquid
Specific Gravity	0.84 at 20°C	0.86 at 20°C
Finished Film Appearance	Clear, tack free, water repellent film	Clear, tack free, water repellent film
Water Retention: ASTM C156	Pass	Pass
ASTM C309	Type 1 Class A	Type 1 Class A
Curing Efficiency BS7542 at 5m ² L ⁻¹	70	90

Application Procedure

Application

The chosen MASTERKURE[®] curing compound should be spray applied directly onto freshly placed concrete taking care to achieve at least 5m²/L. However, please note that on poorly designed/produced concrete with excessive bleed water the film forming capability and therefore curing efficiency may be reduced. Therefore if possible remove excess bleed water before application.

On vertical surfaces apply immediately after formwork is removed.

Coverage

The recommended rate of application is 5 square metres per litre. This corresponds to that at which MASTERKURE® 191 has been tested and at which it attains the claimed degree of curing efficiency.

Durability of Film

Breakdown of MASTERKURE® 191 film normally commences after approximately 30 days and can take many months for total disintegration to occur. The time for disintegration in all cases is dependent on a number of variables, such as thickness of film applied; the degree and severity of exposure to weather and traffic, and the porosity of the concrete.

Subsequent Surface Finish

It is important that the complete removal of the MASTERKURE® 191 film should be ensured before the application of any subsequent surface finish.

It is recommended that where subsequent decoration of the concrete is intended, the product MASTERKURE® 181 or MASTERKURE® 192 be used.

This material when applied to a surface prepared in accordance with our printed instructions can act as a curing compound and sealer/primer, to take the subsequent applications, such as paints, tile adhesives, render, sealants and certain epoxy systems, which do not rely on penetration for bond.

Cleaning

Spray equipment should be thoroughly cleaned after use with MASTERKURE® Solvent or white spirit.

Packaging

MASTERKURE® 191 is supplied in 25 and 205 litre drums.

Storage

Store in cool, dry conditions away from sources of ignition. **No smoking.** Agitate before use.

Shelf Life

Minimum 12 months when stored in unopened containers, according to the manufacturer's instructions.

MASTERKURE® 191 Degussa Construction Chemicals UK Version 5

Health and Safety

*For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

Solvent Based Products

Use in well ventilated areas; avoid inhaling. Suitable respiratory equipment may be needed, eg when spraying. Can cause skin, eye irritation. Wear protective eye shields and gloves during use. Do not smoke or allow sparks or naked lights when stored or in use.

Powder Products

Should be handled to minimise dust formation; use light mask if excessive dust unavoidable. Cement powders when wet or moistened can cause burns to skin and eyes which should be protected during use.

Resin Products

Can cause irritation, dermatitis or allergic reaction. Use protective equipment particularly for skin and eyes. Use only in well ventilated areas.

Spillage

Chemical products can cause damage; clean spillage immediately.

Disclaimer:

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.