

TECHNICAL DATASHEET

FLOMAX® SH CURE

About Product

FLOMAX® SH CURE is an acryl and solvent-based hardener used to harden, protect, and polish fresh and old concrete surfaces.

Product code: 204.70018

Application Areas

- On any old or fresh concrete surfaces
- In floor concrete treated with a surface hardener
- In colored field concrete
- On natural stone, limestone, marble, terracotta, pressed brick, and other surfaces
- In prefabricated cement-based flooring materials
- On any raw concrete surfaces
- When applying wet (washed) concrete

Advantages

- Easy to use
- Forms a clear and brilliant surface
- Ensures better cure by penetrating into any concrete surface
- Ensures long-term surface protection, strength, and gloss
- Resistant to traces of oil and fuel
- Resistant to all weather conditions; prevents the surface moulding
- Prevents dusting; forms a harder surface
- Forms a smooth, easy to clean surface
- Increases surface wear resistance
- Resistant to freeze-thaw cycles and UV radiation
- Can be applied by brush, roller, or spraying gun
- Prevents sudden loss of moisture in concrete when used as a hardener after treatment with a surface hardener
- Gives a 'live' look by penetrating into the surface
- Has waterproof properties
- Conducts steam

Technical Specifications

Composition of material	Liquid acryl and solvent
Color	Clear
Density	0.92 kg/L

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Final appearance	Clear, brilliant
Drying time	2 hours
Treated surface temperature	+8°C/30°C
Environmental temperature	+10°C/30°C
Applied product temperature	+10°C/30°C

The above figures are valid for +20°C and relative humidity of 50%. High temperatures accelerate the process while low temperatures extend it.

Application Guidelines

Surface Preparation

Old concrete surfaces: The treated concrete surface should be strong and have sufficient pressure resistance (minimum 25 N/mm²), a breaking strength of at least 1.5 N/mm², a maximum relative humidity of 4%, and a temperature of at least +8°C. The surface should be clean and dry and free of oil, wax, paint, and previously used hardeners. The treated concrete surface should be prepared using abrasive equipment (shot blasting, diamond cutting, etc.) to remove cement slurry and obtain an absorbent open-pore surface. Remove the resulting dust using an industrial-type electric broom.

New concrete surfaces: Freshly poured concrete should start hardening and reach the required thickness without residual moisture on the surface. The fresh surface should not contain vapor condensate or sweat. The surface hardener should be applied immediately after polishing the treated surface.

Mixing

FLOMAX® SH CURE is packed ready for use. Do not add water or other substances to the material. Mix **FLOMAX® SH Cure** in a separate container or a clean bowl using a mixer at 400-600 rpm until homogeneous.

Application

FLOMAX® SH CURE can be applied by brush, roller, or solvent-resistant spraying gun. For a perfect result, apply the product in at least 2 layers. Wait 2-3 hours before applying the next layer to concrete surfaces, depending on the ambient temperature. Apply the 2nd layer to hardener-treated surfaces in a day.

Consumption

0.150 - 0.200 L/m² (per 2 layers)

Cleaning Tools

After application, clean the used tools and accessories with solvent.

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Issues Requiring Attention

FLOMAX® SH Cure may ignite due to the solvent in its composition. Take proper precautions during storage and use. Ventilate the rooms where the material is applied; do not smoke or create a short circuit. Wear protective goggles, mask, and gloves when using the material.

Storage Conditions

Store unpacked in the original packaging (container) in a dry and cool place.

Shelf Life

24 months from the date of manufacture under due storage conditions. Use within 1 week after opening, keep closed.

Safety Measures

During the application, wear work clothes and use protective gloves, glasses, and a mask according to the working conditions and occupational safety requirements. Due to the irritant effect of the uncured material, avoid contact with skin and eyes; in case of contact, immediately wash the contact area with plenty of water and soap; in case of ingestion, seek medical advice immediately. Food products should not be allowed in the material application areas. Store out of reach of children. For more details, please see the Safety Datasheet.

Liability

Our company shall only be liable for the product quality. Our company shall not be liable for any use of the product in breach of written guidelines and/or improper use. For more details, please request a product manual or contact our company's responsible officials.

Net weight: 5 L



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