

TECHNICAL DATASHEET

CURE® ACR

About Product

CURE® ACR is a paraffin emulsion-based hardener applied to freshly poured concrete, optimally increasing resistance by retaining moisture in the concrete structure due to a film layer formed and preventing rapid drying, shrinkage, and slight surface cracking.

Product code: 204.70003-4

Application Areas

- In any concrete types
- In canals and concrete canals
- In airport concrete structures and road concrete
- On wide concrete surfaces under all weather conditions with a high evaporation degree

Advantages

- Reduces moisture loss in fresh concrete surfaces by reflecting the sunlight
- Prevents surface cracking by preventing instant drying
- Forms a more durable, dust-free surface
- Suitable for indoor use
- Does not form a layer, penetrating into freshly poured concrete, does not peel off or collect dust
- Allows applying any cement-based products to the hardened surface
- Easy to apply, low labor intensity
- Does not contain solvents

Technical Specifications

Composition of material	Paraffin emulsion
Colour	White
Density	1.01-1.015 kg/L
Final appearance	Whitish-clear, smooth
Drying time	120-150 min
Moisture retention (ASTM C 156)	Satisfactory

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

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Application Guidelines

Surface Preparation

The surface should be clean and dry and free of oil, wax, paint, and previously used hardeners. 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

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

Application

CURE® ACR can be applied by brush, roller, or spraying apparatus. 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 water.

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

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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: 30, 200 kg



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