

Aardcure Catalyst – Concrete Durability Enhancer



PRODUCT DESCRIPTION

Aardcure Catalyst is a chloride- and silicate-free penetrative corrosion inhibitor and durability enhancer for concrete. It deeply penetrates both new and existing concrete, increasing abrasion resistance and reducing permeability to moisture and chemicals.

By reducing hydrostatic pressure and dusting while enhancing surface adhesion, Aardcure Catalyst improves the performance and longevity of treated surfaces. Proven in both laboratory and field conditions, its effects last over a decade.



FEATURES & BENEFITS

- Increases surface hardness and densifies concrete
- Reduces water loss by approx. 20% during curing
- Improves chemical resistance and impermeability
- Prevents surface dusting and shrinkage cracking
- Restores corrosion protection of steel reinforcement
- Enhances bonding for cementitious or polymeric coatings
- Low VOC (<10g/L) – environmentally conscious

APPLICATIONS

- Restoration of degraded concrete and heritage structures
- Dust-proofing for carparks and warehouse floors
- Surface hardening for floors, roadworks, bridge decks
- Reinstatement of poorly finished concrete
- Primer for cementitious renders and coatings
- Water retention aid for curing new concrete

PACKAGING

Product Code	Description	Volume
133821	Aardcure Catalyst (Primer) 20L	20L

TECHNICAL SPECIFICATIONS

TYPICAL PROPERTIES

Property	Value
Appearance	Milky translucent liquid
Viscosity	~0.22 Pa-s
Solids Content	≥29%
Flash Point	Not applicable
VOC Content	<10 g/L
Shelf Life	12 months (sealed)
Tack Free Time	30–60 minutes
Hard Dry Time	2–4 hours
Trafficable	24 hours
Application Temp Range	5°C – 35°C

APPLICATION INSTRUCTIONS

Step	Detail
Surface Prep	Remove dust, debris, previous coatings. Pressure wash at 2000 psi.
Application	Apply using low-pressure sprayer with even coverage.
Coverage	3–5 m ² per litre (60–100 m ² per 20L drum). Adjust for porosity.
Second Coat	Optional for porous areas – apply 2–4 hrs after first coat.
New Concrete Use	Apply after final trowel and dissipation of bleed water.
Dry Time	Surface dry in 30–60 mins. Trafficable when dry.
Clean Up	Wash tools with water before drying.

Aardcure Catalyst – Concrete Durability Enhancer



SHELF LIFE & STORAGE

- Store in original unopened packaging
- Shelf life: 12 months
- Storage temp: 5°C to 35°C
- Avoid freezing and contamination

SAFETY & HANDLING

- Non-hazardous under GHS classification
- Wear gloves, eye protection, and mask
- Ensure adequate ventilation
- Refer to SDS before use
- Clean equipment with water after use