

ARMOURCURE WB - WATER BASED CURING AGENT

PRODUCT DESCRIPTION & USES

Product description:

ARMOURCURE WB is a water based, translucent hybrid acrylic resin curing agent.

It is used as a temporary supplement to the concrete surface to control the curing of fresh concrete.

Uses:

ARMOURCURE WB is used to achieve the optimum curing and sealing of fresh concrete, especially for floors.

It can also be used as a curing compound to control surface drying and drying shrinkage cracking.

Existing concrete floors can be treated with ARMOURCURE WB to act as an anti-dust treatment.

ARMOURCURE WB can be applied on indoor and outdoor surfaces.

At no time is ARMOURCURE WB intended to act as a permanent wearing surface.

PRODUCT INFORMATION

ITEM	DESCRIPTION
CHEMICAL BASE	WATER BASED ACRYLIC DISPERSION
COLOUR	TRANSLUCENT
SAFETY	ARMOURCURE WB IS A WATER BASED ACRYLIC HYBRID WITH A SELF CROSS-LINKING MECHANISM FREE FROM N-METHYL-2-PYRROLIDONE (NMP)
SHELF LIFE	12 MONTHS FROM DATE OF MANUFACTURE IN ORIGINAL AND UNOPENED AND UNDAMAGED CONTAINERS
STORAGE	IN DRY/HUMIDITY CONTROLLED ATMOSPHERE, OUT OF DIRECT SUNLIGHT, TEMP RANGE 5 - 30°C, PROTECT FROM FROST AND AVOID FREEZING

TECHNICAL DATA

DESCRIPTION	DIMENSION & TOLERANCE
DENSITY	APPROX 1.01 KG/LITRE AT 25°C
APPLICATION	1 - 2 COATS ALWAYS TRIAL SECOND COAT IN SMALL AREA IN INCONSPICUOUS LOCATION. MUST BE TOUCH DRY BEFORE SECOND COAT.
APPLICATION RATE	0.125 - 0.25 LITRES/M <sup>2</sup> /COAT (4 - 8M <sup>2</sup> /LITRE/COAT)
VISCOSITY	4 - 8 mPa.s
FLASH POINT	>100°C (ABEL METHOD)
pH VALUE	7 - 8
DEW POINT	UNCURED FLOOR SURFACE MUST BE MIN 3°C ABOVE DEW POINT TO REDUCE RISK OF BLOOMING OR PEELING
RELATIVE AIR HUMIDITY	DO NOT APPLY WHEN RH IS EQUAL TO OR GREATER THAN 80%
RANGE OF FLOOR SURFACE TEMPS FOR APPLICATION	+10°C MIN TO +30°C MAX
LIGHT EXPOSURE	AVOID DIRECT SUNLIGHT DURING APPLICATION AS SKINNING CAN OCCUR
CURING EFFICIENCY	UNDER CONTROLLED CONDITIONS ARMOURCURE WB IS 90% EFFICIENT WHEN COMPARED TO THE ASTM C-309 STANDARD

The stated application rate and curing efficiency is theoretical and does not include for any variability in surface porosity, surface profile, wastage, variations in level and flatness etc.

BENEFITS

- Excellent adhesion to fresh and cured concrete
- Provides curing and sealing of concrete surfaces in one step
- Quick drying
- Provides control of surface dust
- Does not 'yellow' with time
- Can be easily applied using spray or roller

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PACKAGING INFORMATION

- 200 litre plastic drums or 25 litre plastic drums

APPLICATION INSTRUCTIONS

General:

- do not mix with other products
- ensure ARMOURCURE WB is not above 25°C prior to application
- if in doubt apply to a test area first to determine product suitability
- trial spraying application methods or roller/brush application methods for suitability prior to full application
- stir thoroughly before use for a minimum of 2 minutes using a low speed (less than 300 rpm) electric stirrer, ensuring that the stirrer is worked through the entire volume of the container
- application equipment must be clean and never have been used to apply silicones or release agents or solvent curing agents

Fresh concrete:

- surface must be finished and prepared ready for curing agent by either power trowel or by manual floating or tamping methods
- surface must be free from all bleed waters prior to application
- surface must be of sufficient cured strength to withstand application method
- apply immediately after concrete finishing methods have been completed and apply in a continuous even film by low pressure spray or roller

Existing concrete:

- surface must be prepared by mechanical abrasion (e.g. high pressure water jet or abrasive blasting)
- surface must be free of all dust, loose and friable material, ideally vacuumed clean, prior to application
- surface must be of sufficient cured strength to withstand application method

MAINTENANCE

- all spillages must be removed immediately
- clean regularly using rotary brushes, scrubbers, scrubber dryers, etc using suitable cleaning agents