

**ARMOURCURE SB - SOLVENT BASED CURING AGENT**

**PRODUCT DESCRIPTION & USES**

**Product description:**

ARMOURCURE SB is a solvent based, clear acrylic resin polymer system.

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

**Uses:**

ARMOURCURE SB 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 SB to act as an anti-dust treatment.

ARMOURCURE SB can be applied on indoor and outdoor surfaces.

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

**PRODUCT INFORMATION**

ITEM	DESCRIPTION
CHEMICAL BASE	SOLVENT BASED ACRYLIC CO-POLYMER RESIN
COLOUR	CLEAR
SAFETY	ARMOURCURE SB IS A SOLUTION OF AN ACRYLIC CO-POLYMER IN AN ORGANIC SOLVENT WHICH GIVES OFF HARMFUL AND FLAMMABLE FUMES
SHELF LIFE	12 MONTHS FROM DATE OF MANUFACTURE IN ORIGINAL AND UNOPENED AND UNDAMAGED CONTAINERS
STORAGE	IN DRY CONDITIONS, TEMP RANGE 5 - 30°C, PROTECT FROM FROST

**TECHNICAL DATA**

DESCRIPTION	DIMENSION & TOLERANCE
DENSITY	APPROX 0.9 KG/LITRE AT 25°C
APPLICATION	1 - 2 COATS
APPLICATION RATE	0.1 - 0.25 LITRES/M <sup>2</sup> /COAT (4 - 10M <sup>2</sup> /LITRE/COAT)
VISCOSITY	<10 mPa.s
FLASH POINT	40°C (ABEL CLOSED CUP METHOD)
SOLVENT	XYLENE
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
OVER COATING	MUST BE TACK FREE BEFORE RE-APPLYING
CURING EFFICIENCY	UNDER CONTROLLED CONDITIONS ARMOURCURE WB IS 90% EFFICIENT WHEN COMPARED TO THE ASTM C-309 STANDARD

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

Beware of the risks of condensation! Do not apply when there is a risk of condensation.

**BENEFITS**

- Excellent adhesion well 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 metal drums or 25 litre metal drums

APPLICATION INSTRUCTIONS

General:

- do not mix with other products
- ensure ARMOURCURE SB 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
- to achieve the highest visual appearance a second coat is recommended, applied soon after the first coat has become tack free

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

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