

# SUNCURE (ACRYLIC RESIN/WHITE PIGMENTED)

SUNCURE is an Acrylic Resin based white pigmented curing compound, which on drying forms a thin barrier, allowing the concrete to retain sufficient water for curing, without disturbing the normal setting action. Thus eliminating the need for keeping the concrete continuously wet. Due to the white pigment it reflects the light and heat and minimizes the loss of moisture. The complete hydration of cement particles reduces the early age cracking and drying shrinkage.

## SPECIFICATIONS

Sr. No.	Test Parameters	Specification	Value Observed
1	Appearance	White Pigmented Liquid	White Pigmented Uniform Liquid
2	Chemical Property	Acrylic Base	Acrylic Resin Based
3	Type of Curing Compound	ASTM C309	ASTM C309, Type II
4	Drying Time	<4 Hrs (ASTM C 156-Sec. 10.3)	2:00 Hrs.
5	Water Retention Water Loss Max.	0.55Kg/m <sup>2</sup> in 72 hrs (ASTM C 156)	0.38kg/m <sup>2</sup>
6	Coverage Area	4.5m <sup>2</sup> /kg	4.5m <sup>2</sup> / k g
7	Specific Gravity	1.02 ± 0.02	1.02
8	Curing Efficiency (Comparison with pond cure)	3 day	> 90%
		7 day	> 90%
		14 day	> 90%
9	Water Retention @72 Hrs (Hot Air)	Bs 7542-1992 British Standard	66.66
10	Min/Max Storage Temp.	-	+10°C to + 40°C (Direct sunlight should be avoided)
11	Shelf life	-	Three months in unopened original container
12	Other instruction	-	Stir well before use, keep away from direct sunlight

## APPLICATION:

Stir Well Before It's use. Spray SUNCURE (Acrylic Resin/White Pigmented) on newly laid concrete immediately after disappearance of water sheen from concrete surface. Spray in two crossed passes will enable to avoid blank. Roller & Brush can be used for hardened concrete. If the concrete has already lost some of surface water then it is recommended to fog down the surface before application.

## PACKING:

210 Kg HDPE Drums. Other packing available on request.

## STORAGE & SHELF LIFE:

Avoid direct sunlight. Store under roof. 3 months in original sealed packing

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# SUNCURE (ALUMINIZED)

SUNCURE (Concrete Curing Compound) is a polymer based continuous film forming curing compound and is supplied as aluminised polymeric resin solution drying to a silver film on application.

## SPECIFICATIONS

Sr. No.	Test Parameters	Specification	Result Observed
1	Appearance	Aluminised Liquid	As per Specification
2	Chemical Property	Synthetic Resin Base	As per Specification
3	Type of Curing Compound	ASTM C 309	Type II
4	Drying Time (min)	4 hrs (ASTMC 156-sec 103)	2:00 Hrs.
5	Water Retention (Kg/m <sup>2</sup> )	0.55Kg/m <sup>2</sup> in 72 hrs (ASTM C 156)	0.40
6	Coverage (m <sup>2</sup> /ltr)	4-5 m <sup>2</sup> /ltr.	4.5 m <sup>2</sup> /Ltr.
7	Specific Gravity	0.95+0.02 (As per specification)	0.95
8	Curing Efficiency (Comparison with pond cure)	3 day	> 90%
		7 day	> 90%
		14 day	> 90%
9	Flash Point (oC)	ASTM D 56	12
10	Volatile Organic Compounds (gm/L)	ASTM D 3960	25
11	Non-Volatile Matter (%)	ASTM D 2369	8
12	Min/Max Storage Temp.	-	+10°C to +40°C (Direct sunlight should be avoided)
13	Shelf life	-	Three months in unopened original container
14	Other instruction	-	Stir well before use, keep away from direct sunlight

## USES:

As a spray applied membrane to retain moisture in concrete for effective curing. Suitable for all general concreting applications and of particular benefit for large area concrete surfaces such as airport runways, roads, bridgeworks & Pavements.

## ADVANTAGES.

It's light reflectance is greater than 60% and provides improved curing of concrete that enhances cement hydration and also provides a more durable concrete. It's control of moisture loss improves surface quality, reduces permeability, produces a hard-wearing and dust free surface that minimises potential for surface cracking and shrinkage. It contains leafing aluminium to minimise solar temperature gain to meet the specification for the reduction of solar temperature again,

**STORAGE:** Should be stored under roof away from sunlight.

**SHELF LIFE:** Three Months in packaged sealed container.

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