

COOL-FX

TECHNICAL DATASHEET



PRODUCT INFORMATION

Category	Temporary roof cooling coating
Description	Cool-FX is a temporary water-based roof cooling coating specifically developed to reflect solar radiation on barns, skylights, and commercial/office buildings (tar, gravel, and metal roofs).
Properties	• Reduced building heat gain, as a white or reflective roof allow a decrease of internal building temperature of 2 to 7°C (35°F to 44°F) compared with a non-protected roof. • Savings of up to 15% the annual air conditioning energy use of a single-story building. • Improved comfort to people or animals in buildings that do not have air conditioning. • Gradual wear of the product and return of the roof to its original color due to weather effects so optimal heat absorption is achieved in the wintertime.
Recommended use	Suitable for skylights and roofs of barns, commercial buildings and offices.
Recommended surface	• Galvanized and metal roofs • Tar and gravel roofs • Skylights
Identified users	Industrial - for professional use only

TECHNICAL SPECIFICATIONS

Physical state	Liquid
Colour	Beige
Odour	Neutral
pH	8.8 - 9.8
Flammability (solid, gas)	Non flammable
Density	1.43 g/cm ³
Solubility	Insoluble in water. In water, the material disperses
Viscosity	4300 mPa.s
Wear-resistance	Will gradually wear off over the course of a season
Transport regulation (ADR, RID, IMDG, IATA, IDN)	No restrictions

STORAGE CONDITIONS

Packaging	20 kg bucket (= 14,2L) 1 pallet contains 33 buckets
Shelf life	Unopened containers have a shelf life of 2 years. Keep only in the original container in a cool, well-ventilated place. Keep out of frost. Keep container closed when not in use. Keep only in the original container in a cool, well ventilated place away from direct sunlight. Keep container closed when not in use.

This technical datasheet is based on many years of experience. We can not be held liable for any damages resulting from the use of this product or any damages beyond her control. The customer should check, using the means normally available to him, whether the products supplied are suitable for the planned application. If in doubt, consult our technical specialists via coat-fx@lumiforte.com

Coat-FX is a brand of Lumiforte®

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INSTRUCTIONS FOR USE

Application	The surface must be clean and dry before the application of Cool-FX. A clean surface improves durability. Shake or stir before use. Mix Cool-FX with clean water according to the desired concentration according to the chart below. Mix well until a homogeneous liquid is obtained. The ready to spray liquid can be sprayed with standard spray equipment. Thoroughly clean spray equipment with water after use.		
Weather conditions	• Wind speed of less than 2 m/s (7 km/h) • For fast drying: relative humidity (RH) < 80 % • Do not apply Cool-FX to a wet surface or when rain is expected		
Equipment	Application should be done by spraying the liquid on the surface: • By hand with standard spray equipment		
Personal protection	• Safety glasses • Protective gloves		
Quantity	Concentration*	Type of roof	Area in m² per bucket
	1 to 2	Tar and gravel	250
	1 to 3	Tar, metal (aged), skylights	300
	1 to 4	Metal (recent)	350
	(*1 part Cool-FX to # parts of water)		
Wear-resistance	Cool-FX is a temporary coating that will wears off in time according to the concentration and weather circumstances. The cooling effect of Cool-FX is on average 4 months. Cool-FX used on a porous surface will generally require more time to wear off completely.		
Removal	No specific cleaner is needed to remove Cool-FX.		

ENVIRONMENT

Environmental precautions	Cool-FX does not contain any ingredients that are harmful to the environment.
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