

PRODUCT DATA SHEET

BFT-3700P Cool Roof Coating

Two Component, 100% solids, solvent-free, VOC-free

PRODUCT DESCRIPTION

BFT-3700P Cool Roof Coating is a fiber reinforced premium cool roof coating with superior adhesion and impact resistance. With no maximum thickness and a low-sag formula, Cool Roof Coating is a 1 coat solution on most substrates- generally requiring no base or topcoat. Cool Roof Coating is energy efficient and highly reflective, is VOC-free, non-toxic and made out of sustainable materials, making it the environmentally-friendly choice as well as the top performing.

Uses

It is waterproofs and protects a variety of substrates, including: acrylic (& cementitious), metal, mineral cap, asphalt, concrete, single ply (TPO, PVC, CSPE, EPDM) and more. It is intended as a restorative coating to extend the life of the existing roofing systems, when properly prepared, clean, dry, and tight.



CHARACTERISTICS/ ADVANTAGE

ENVIRONMENTALLY FRIENDLY

VOC-free, non-toxic and made out of sustainable materials, making it the environmentally friendly choice as well as the top performing.

COOL ROOF

energy efficient and highly reflective

Ease of Use

a 1 coat solution on most substrates generally requiring no base or topcoat.

Excellent property

superior adhesion and impact resistance

Excellent Formulation

With no maximum thickness and a low-sag formula

STORAGE

Do not allow stored product to freeze. Store in a cool, dry place. Part B must be kept free of moisture. Keep container closed. Part B absorbs moisture from the air if left opened and can produce CO₂ gas, which can cause pressure build up.



TECHNICAL INFORMATION & TESTING

freeing settled gypsum. Color White, Custom Colors available upon request Part A: castor oil, hydrated gypsum, titanium oxides, glass fiber Part B: Polymeric (MDI) Mix ratio by weight 80 parts catalyst (part A) 20 parts resin (part B). Un-cured Property Value Solids Content Volume 100% solids, solvent-free, VOC-free Pot life Less than 45 minutes. Decreases with heat. Cure time Walkable in 12 hours. 24 to 36 hours to full cure Property Value Test Method Durability 16,000 passes of an average sized car. No debonding or deterioration ASTM C627: Estimated tensile strength 900 PSI (6MPa) Estimated elongation 20-60% Pull-off strength from steel 1000 PSI with 95-100% cohesive ASTM D4541 Heat resistance - continuous 212F / 100C Water absorption 0.3% - 30 g/m2 @ 185F / 85C for 30 days ASTM D570 Perm rating Castor Color Colors available upon request Part A: castor cil, hydrated gypsum, titanium oxides, glass fiber Part B: Polymeric (MDI) 80 parts catalyst (part A) 20 parts resin (part B). Value	PRODUCT INFORMATION			
Shelf Life	Packaging	PART A: 20kg (3.62 GAL); PART B: 5kg (1.1GAL)		
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APPLICATION INFORMATION Minimum service temperature to ensure no contaminants are present before application. - 20 to - 40 F / - 30 to - 40 C		paints, etc.		
APPLICATION INFORMATION Minimum service temperature - 20 to - 40 F / - 30 to - 40 C	Dull testing (hoters application)	For best results, conduct a pull test inches wide to test	the surface and	
Minimum service temperature - 20 to - 40 F / - 30 to - 40 C	Pull-testing (before application)	to ensure no contaminants are present before application	on.	
	APPLICATION INFORMATION			
Relative Air Humidity 80 % R.H. max.	Minimum service temperature	- 20 to - 40 F / - 30 to - 40 C		
	Relative Air Humidity	80 % R.H. max.		

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

STANDARD APPLICATION





Safety glasses, gloves, and protective clothing must be worn at all times. Mechanically mix all of part A for at least 5 minutes making sure to scrape sides and bottom. Scrape all product from lid and sides into bucket. Cordless drills and regular speed corded drills are not recommended for mixing as the product contains gypsum that settles during storage. Double auger mixers or low-speed mud mixing drills are recommended. After pre-mixing Part A, add full Part B while mixing. Continue mixing, while moving mixer angle and position continuously, until fully combined, minutes. Be careful to ensure part B gets stirred and mixed in all the way to the bottom by bringing mixer up and down during stirring. Pre-plan your work area and make sure you can use all mixed product in 30-40 minutes. Dump product into work area and spread with notched squeegee, back roll immediately. There is no need to maintain a wet edge as product will continually bond to itself. Cure until tack free [approximately 24 hours at 65°F (23°C)]





