

## 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 CO<sub>2</sub> gas, which can cause pressure build up.

**BFT WATERPROOF**  
Quanzhou BFT Waterproof Co., Ltd

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## TECHNICAL INFORMATION & TESTING

PRODUCT INFORMATION		
Packaging	PART A: 20kg (3.62 GAL); PART B: 5kg (1.1GAL)	
Shelf Life	24 months (unopened container)	
	If product has been stored longer than 6 months, shaking can aid in freeing settled gypsum.	
Color	White, Custom Colors available upon request	
Main components	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)	ASTM D412
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	USA PERM rating of 5 PERMS for 0.030 to 0.050 inches thickness	ASTM D1653
Odor	Mild, pleasant vegetable oil and gypsum odor prior to curing - dissipates completely upon full cure	
Water resistance	High resistance to water, sea water, hot or cold.	
Solvent resistance	High resistance to most petro-chemical solvents with few exceptions. Refer to chemical compatibility charts.	
Uv resistance	Solar Reflectance Index SRI 110 initial and SRI 83 aged.	
Adhesion	Bonds to steel, concrete, itself and other products, wood, asphalt, tar, paints, etc.	
Pull-testing (before application)	For best results, conduct a pull test inches wide to test the surface and to ensure no contaminants are present before application.	
APPLICATION INFORMATION		
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, 4-6 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)]



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