

FIRESAFE 200 COOL ROOF®

Value Solutions for Professionals

PRODUCT DESCRIPTION

Firesafe® 200 is a chemical and water resistant, modified acrylic elastomeric coating. Applied as a single component liquid which cures to a high reflective flexible coating.

USES

Firesafe® 200 is recommended where a protective and decorative or coloured finish with good flexible properties is needed. Firesafe® 200 is also recommended where the surface requires protection from intermittent hydrocarbon or chemical spills.

Applications include roof waterproofing, corrosion protection for storage and process tanks, piping and metal and wood structural features and decorative surface finishes for decks, walkways.

BENEFITS

- ❑ Ease of application and minimal surface preparation
- ❑ Contains no solvents or toxic chemicals
- ❑ Resists degradation from a wide range of chemicals
- ❑ A flexible coloured membrane resisting cracking and aging
- ❑ Good abrasion resistance
- ❑ Low permeability and water vapor transmission
- ❑ Excellent resistance to hydrocarbon and chemical spills
- ❑ Mechanical damage to the membrane can be easily repaired
- ❑ Fully adhered and seamless membrane –no leakage
- ❑ Reflects 89 % ultra-violet sun rays.
- ❑ Cut Energy loss between 20 to 30 %

PERFORMANCE DATA (cured membrane)

Property	Typical Results
Chemical resistance	Most organic and inorganic solutions including petroleum hydrocarbon products
Impact resistance CGSB 37-GP-56 @23°C	168 in-lbs
Water tightness after impact	Pass (no leakage observed)
UV resistance (ASTM G 155) 1000 hrs.	No deterioration of the film, >90% retention of original tensile strength
Tensile strength (ASTM D 412)	1200 psi
Adhesion to concrete (ASTM C907)	450 psi
Low temperature mandrel @ -26 C.	pass
Hardness, Durometer type 00	80-85
type A	65-67
type D	18-20
Elongation	>200%
Solar Reflective	89%

PHYSICAL PROPERTIES (liquid)

Property	Typical results
Specific gravity	1.2
Solids content	65-68%
Viscosity Cps, Brookfield	5000-8000
pH	8-11

Firesafe® is available in the following colours.

		
White	Black	Red
		
Light Grey	Dark Grey	Dark Green
		
Tan	Brown	Light Green
		
Light Blue	Dark Blue	Yellow

TECHNICAL SUPPORT

provides contracting professionals, high quality, environmentally safe and performance-based waterproofing and corrosion prevention products worldwide. provides contractors and end-users a detailed package of technical information and training. In addition our technical services department is available for consultation and field application support.

APPLICATION INSTRUCTIONS

Firesafe® 200 is water based and environmentally friendly product which must be applied when the ambient temperature is above freezing temperatures.

Firesafe® is to be applied between 20 mils and 40 depending on the required membrane thickness and colour selected (lighter colours may require a heavier application). For best results apply in multiple thin coats.

When using tape for detailing or termination points remove tape as soon as possible. If unable to remove tape after product has cured carefully pull back tape using sharp blade to prevent peel back of product.

Coverage

Cured membrane thickness (mils) D.F.T. (dry film thickness).	Coverage (sq./ft. per u.s.gal)
40. mils.	30 sq./ft.
80. mils.	15 sq./ft.
120.mils.	10 sq./ft.



Typically Firesafe® will dry to the touch in several minutes and is largely cured within 24 hrs. .

Firesafe® is unaffected by a range of acids, alkalis and waterborne salts and is resistant to biological deterioration.

Where Firesafe® is applied as a top coat over polyurethane foam in roof coating applications; apply to a minimum thickness of 40 mils per coat

Because Firesafe® 200 is a flexible membrane and not a paint coating it is important to provide a minimum thickness of 40 mils for both flexibility and longevity.

Complete details on application of Firesafe® are contained in the Application Manual or by contacting one of our technical service representatives.

CLEANING

Tools and equipment can be cleaned with warm water if the product is fresh and still liquid.

STORAGE

Shelf life of Firesafe® 200 stored in its original unopened container is 12 months. Normal stirring upon opening is recommended.

Product should not be stored below 5°C or above 30°C.

Firesafe® 200 contains no solvents and has a flash point greater than 180°C.

Sales & Distribution:

Star Polymers Canada, Inc.
30 Causely Street, Unit 1,
Blind River, Ontario
P0R 1B0
www.star-polymers.com
01.770.712.0011