

# SOLARFLEX®

## White Elastomeric Roof Coating

### Physical Properties

-Colour	White	-Flammability	Non-flammable
-Solids by Weight	50% (approx.)	Wet	Burns
-Weight	1.2 kg/l (approx.) (12 lbs./gal.)	Dry	Resists to most acids and alkalis, greases, hydrocarbon solvents and oils.
-Coverage (per coat)	0.5 to 0.65 l/m <sup>2</sup> (1.0 to 1.25 gal./100ft <sup>2</sup> )	-Chemical Resistance	
-Drying Time	@ 50% R.H. 20°C (68°F) Dry Substrate	-Water Vapour Permeance	Breather
Touch Dry	2 hours	-Tensile Strength (ASTM D412)	1400 kPa (200 psi) (typical)
Firm Dry	4 hours	-Elongation (ASTM D412)	250% (typical)
-Service Temp. (upper limit)	Minus 40°C to 90°C (Minus 40°F to 194°F)	-Hardness, Shore A (ASTM D 2370)	80 (typical)
-Application Temperature	Minimum 5°C (40°F)		

### Description

**Bakor SOLARFLEX®** is a premium, elastomeric, water-based acrylic latex coating. When properly applied, **SOLARFLEX®** is highly resistant to unbonding, chalking, mildew, and discoloration.

### Features

- Water based, environmentally friendly
- Reflects up to 85% of sun's heat and U.V.
- Lowers roof and interior temperatures
- Prolongs the life of the roof
- Prevents leaks
- Excellent adhesion to metal surfaces

### Uses

Used as a premium system approach to the maintenance of weathered roof surfaces. **Bakor SOLARFLEX®** provides a highly reflective, elastomeric, heavy duty protective surfacing.

**SOLARFLEX®** is recommended for mineral surfaced roll roofing, existing metal roofing, concrete, clay tile, weathered smooth surface roll roofing, weathered asphalt built-up roofing and modified bitumen.

### Packaging

**Bakor SOLARFLEX®** is packaged in 3.78L and 18.93L containers.

### Limitations

Do not apply if there is a threat of rain or temperatures below 5°C (40°F) within 48 hours.

Protect **SOLARFLEX®** from rain, water or frost until fully cured. Apply at temperatures above 5°C (40°F) and rising. Avoid freezing of product during storage, application and before material has cured. Do not apply to excessively wet surfaces. Avoid installation in areas which "pond" water. Avoid heavy foot traffic for 48 hours.

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### Preparation

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A clean surface is essential for proper adhesion of **Bakor SOLARFLEX®**. All dirt, oil, rust and loose materials must be removed. Use quality chlorinated bleach to remove mildew and algae that may be present. Thoroughly rinse with water. Where necessary, use brooming or high pressure water to clean the base surface. Allow water to completely dry before application.

**Metal Roofs:** It is important to remove all loose, flaking, poorly adhered material and rust by wire brushing, brooming and use of a high pressure water jet. In areas where rust has been removed, apply **SOLARFLEX®** diluted 25% by volume with clean water at the rate of 0.25 l/m<sup>2</sup> (0.5gal./100ft<sup>2</sup>) and let dry as the primer coat.

### Joint and Crack Treatment

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Carefully inspect area to be coated, including around pipes, chimneys, equipment, roof edges and walls. Repair all cracks, breaks, splits, seams and holes in roofing membrane or metal roof by embedding **Bakor 990-06 Yellow Jacket** between 2 heavy coats of **SOLARFLEX®** applied over and at least 50mm beyond crack, seam or repair. **990-06 Yellow Jacket** should be brushed into place with a soft bristle brush to eliminate wrinkles, air pockets or blisters to obtain full contact. All vertical and horizontal roof seams and flashings must be reinforced with **990-06 Yellow Jacket** between 2 heavy coats of **SOLARFLEX®** applied over and at least 50mm beyond break in plane. All fasteners must be tightly secured or replaced and encapsulated with a high quality urethane sealant.

### Application

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Choose a warm, sunny day when roof is warm to the touch. **SOLARFLEX®** can be applied to a dry or slightly damp, but not wet surface. Stir **SOLARFLEX®** to a uniform consistency. Apply with a deep-pile roller, 4 knot roofing brush or heavy-duty spray. When applied by brush or roller, keep strokes in one direction. Apply second coat at right angles to first coat. Allow 24 hours for all repairs and crack treatment to cure before coating with **Bakor SOLARFLEX®**. Apply only to roofs with positive drainage and which do not pond water.

**2-STEP SYSTEM:** For newer roofs in "good to excellent" condition. Stir contents until uniform in colour and consistency. Apply two coats of **SOLARFLEX®** at the rate 0.5 to 0.65 l/m<sup>2</sup> (1.0 to 1.25 gal./100ft<sup>2</sup>) per coat. Each coat to be applied at right angles to each other by roller, brush or spray application. The first coat of **SOLARFLEX®** must dry before second application is applied.

**3- STEP SYSTEM:** For older roofs and/or roofs in "fair to good" condition. Stir contents until uniform in colour and consistency. Apply 3 coats of **SOLARFLEX®** at the rate of 0.5 to 0.65 l/m<sup>2</sup> (1.0 to 1.25 gal./100ft<sup>2</sup>) per coat. Each coat to be applied at right angles to each other by roller, brush or spray. Each coat of **SOLARFLEX®** must dry before application of the next coat. *Always use the 3-Step System for previously uncoated metal roofs or smooth surface (not granule surfaced) SBS and APP membranes.*

**For spray equipment:** Use an airless spray system with a minimum working pressure of 3000 psi. During application, keep tools clean and free from coating build-up by rinsing frequently with water.

### Clean Up

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Before coating dries, clean tools, spillage, etc., with warm soapy water. If coating has dried, soften the dried film on tools with lacquer thinner, and then scrape clean. When using lacquer thinner, exercise safe practices concerning flammability and toxicity.

### Limited Warranty

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**Henry Canada**, the manufacturer, warrant only that this product is free of defects, since many factors which affect the results obtained from this product such as weather, workmanship, equipment utilised and prior condition of the substrate are beyond our control. **Henry Canada** will replace, at no charge, any product proved to be defective within 5 years (for the 2-step system) and 8 years (for the 3- step system) of purchase, prorated after 3 years, provided it has been applied in accordance with our written directions for uses we recommended as suitable for this product. Proof of purchase must be provided. **DISCLAIMER OF WARRANTIES:** This warranty is IN LIEU of any other warranties expressed or implied including, but not limited to, any implied warranty of MERCHANTABILITY or fitness for a particular purpose, and **Henry Canada**, the manufacturer, shall have no further liability of any kind including liability for consequential or incidental damages resulting from any defects or any delays caused by replacement or otherwise.

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