

HITCHINS

TECHNICAL DATASPEC

FORMROK 8005

FLEXIBLE ALUMINIUM COATING

April 2014

NO.1457 v3

Description

Formrok 8005 is a single component modified polyurethane coating containing leafing aluminum pigments.

Recommended Uses

Formrok 8005 silver polyurethane coating for metal roofing and other building components, CIM membrane, butyl rubber etc to provide chemical resistance, UV stable and the reflective nature will reduce heat absorption on roofs and decks.

Features

Formrok 8005 is durable and trafficable over wide range of substrates and membranes with the following properties;

- Flexible and compatible with CIM and butyl rubber membranes.
- one component coating, no catalyzing, no mixing
- Smooth coating, easily and quick to apply
- Good adhesion to wide range of surfaces, coatings and membranes
- Will protect from chemical attack, particularly mineral oils and U.V rays.
- Insulating properties, aluminum heat reflective finish.
- Good performance, with very long lasting properties.

Limitations

- Must use container contents within 12 hours of opening.
- Open can kept sealed when coating not being applied.
- Surface to be coated must be clean and dry, apply in fine weather
- Solvent based; protect, handle and apply with care as covered in Health and Safety section
- Must only to be used in accordance with this data-spec and Hitchins specifications.
- For variations, consult with Hitchins New Zealand Ltd.

Technical Data

Classification	Polyurethane		
Colour	Aluminum Silver	Specific Gravity	1.1 kg/litre
Clean-up	Hitchins Thinners No 7	Shelf Life	12 months
Flash Point	24°C	Batch Sizes	4L and 20L pails
Shelf Life	12 months	Application	Spray, Brush or Roller
Application Temp Range	8°C – 35°C	Flexibility	Passes 2mm Mandrel
Dry time	Trafficable: 48 hours @ 25°C	Cure time	5 hours
Recoat time	12-24 hours	Coverage rate	12-15m ² /L/coat
Solids by Weight	58.1%	Solids by Volume	49.7%
V.O.C	387grams/litre		

Surface Preparation

- Ensure new surface to be coated is dry and free of all foreign matter.
- New iron or metal degreased, clean and primed with either Speedspray 10 or Jotamastic.
- Aged galvanized roofing de-oxidized, clean and primed with either Speedspray 10 or Jotamastic.

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Surface Preparation

- Timber surface well prepared and primed with Pre-seal.
- New CIM membrane cured and clean, best apply Formrok 8005 within 7 days or abrade the CIM surface and solvent wipe.
- Existing painted surface Mosskill treatment, water-blast clean and leave to dry out completely.
- Carry out all repair work on the substrate or coated surface before applying Formrok 8005 coating.
- Only overcoat Butyl rubber that is well adhered and in good condition, overlaps well sealed, oxidizing removed, surfaced clean and primed with Formstik.

Application

- Formrok 8005** application to well prepared clean dry surface;
- First coat; apply as supplied direct from can or pail by brush, roller or spray.
 - Best results to ensuring surface pores are filled and sealed, apply by brush.
 - Second coat; apply as supplied direct from can or pail by brush, roller or spray.
 - Spraying with an airless use a 9 thou tip.
 - Always use container contents within 12 hours of opening. Do not leave part used cans unsealed at any time.
 - Recoat on 8019 year cycle
 - Where a colour required other than silver use Hitchins Formrok 335.

Consumption

Formrok 8005 is a smooth coating with high coverage at 12-15m² per litre. Can vary based on the surface profile

Non Compliance Warning

Do not apply or install any Hitchins product or process to building structures that do not comply with the Building Code.

Warranty

Formrok 8005, as part of a process, is covered under the Hitchins Product Performance Warranty Document for “**that**” products process, as per our Warranty Schedule.

Health and Safety

Ensure adequate ventilation by constant air flow that must be maintained at all times in a confine work area, when mixing and applying the **Formrok 8005**. In addition, the operators must wear a mask fitted with the correct type of filter. Exposed skin should be protected with barrier cream and gloves. Wear protective overalls, glasses, etc. Use hand cleaner and wash off with soapy water. Observe good occupational work place practice, **Formrok 8005** health and safety requirements are found in the Safety Datasheet 1457. Copy can be obtained from Hitchins New Zealand Ltd.