

Product Description: FEUCOAT 100 is a water-based solution specially formulated to provide protection of insulation from UV, moisture and mechanical impact on air conditioning ducts & pipes insulated with Glasswool, Rockwool, EPS, Nitrile Rubber, XLPE and EPDM insulation. It is applied by wrapping woven fiber glass cloth over ducts & pipe. It has antifungal, UV & water-resistant properties, provides excellent protection to insulated ducts & pipes.

FEUCOAT 100 is non-flammable green product with low VOC and recommended to be used for environment friendly projects.

Intended Uses: It is designed to provide UV resistance & mechanical protection to various insulations on pipes and ducts.

Technical Specification:

Properties	Unit	Test Method	Values
Specific Gravity	-	-	1.35 – 1.45
Viscosity @ 26.6 Deg Cel Torque – 76.5 %	cps	ASTM D 2196	250000-300000
VOC	g/l	ASTM D 2369	25

Color

Off White

Coverage

1.75-2 sqm/Kg/3 coats, FEUKEM Technical Team shall estimate the coverage sequel as project requirement.

Surface Preparation

The surfaces shall be clean, undamaged and dry.

The surfaces shall be free from mud, oil and grease.

Application Procedure

The substrate should be free from oil, grease, and dust particles.
Stir well the FEUCOAT 100 to get the homogeneous mixture.
Apply the FEUCOAT 100 on the surface of insulated ducts/pipes uniformly.
Wrap glass or canvas cloth tightly with overlapping so that no gaps are left, and no air pockets are formed.
Allow the surface to dry completely, the drying time depends upon weather conditions.
Apply the 2nd coat in the same manner.
Allow the surface to cure for complete dry for 4 hours.
Apply the final coat and allow it to dry for 4 hours

Glass Fiber Cloth

5 Mil & 7 Mil

Application Conditions

FEUCOAT 100 is recommended for application and use on dry protected substrate only.

Please note that rain may cause surface patterning if the material has not formed a skin. Heavy rain or water running over the surface can damage recently applied (6 - 8 hours) coating and hence it should be protected if this is a potential risk.

Drying & Curing Time

Temperature	Touch dry	Hard dry	Dry to overcoat
10 °C	3 hours	5 hours	5 hours
25 °C	2 hours	3 hours	3 hours
40 °C	1 hours	2 hours	2 hours

All drying times have been measured under controlled temperature and relative humidity below 80 %, wind speed 6 km/hr and pressure 1011 hpa.

Mixing

FEUCOAT 100 is supplied ready for use but should be thoroughly mechanically stirred prior to use or contact to our technical team. It is recommended to use hand stirrer to get homogenous mixing.

Note: If material is more viscous to apply, water can be added in controlled form.

Dry Time

Drying of **FEUCOAT 100** is dependent upon several factors as follow:

- Temperature
- Air movement
- Humidity
- Method of application
- Thickness of coating

High humidity and low air movement or low substrate temperatures can result in condensation on the metallic surface causing prolonged drying times and possibly poor base coat adhesion.

Safety Precautions

This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to FEUKEM technical documentation.

Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product.

All work involving the application and use of this product should be performed in compliance with all relevant national, Health, Safety & Environmental standards and regulations.

For further details, please refer FEUCOAT 100MSDC.

Packaging

25 Kg Plastic Pale

Storage

Keep the containers in a dry, cool, well-ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

When storing and transporting, the temperature must be between 3 °C and 40 °C. Outside of this, it is advisable to use climatic control. Protect from freezing at all times during storage and transport.

Shelf Life

12 months from date of manufacturing, subjected it is stored as per FEUKEM recommendations.

Color Variation

When applicable, products primarily meant for use as primer or antifouling may have slight color variations from batch to batch. Such products may fade and chalk when exposed to sunlight and weathering. Color and gloss retention on topcoats/finish coats may vary depending on type of color, exposure environment such as temperature, UV intensity etc., and application quality.

Disclaimer

All information is given in good faith on the result gained from experience and test. However, all recommendation or suggestions are made without guarantee since supplier does not have any control on site conditions and its uses. Color variation may be possible on surface.
