

NovaBarrier LF1000 Liquid Applied Flashing Technical Data Sheet



DESCRIPTION

NovaBarrier™ LF1000 Liquid Applied Flashing is a single-component, hybrid sealant designed for use as a liquid applied flashing product. It cures in wet weather conditions and creates a seamless, flexible membrane that blocks unwanted air and water infiltration through the building envelope while remaining vapor permeable to allow damp substrates to dry. LF1000 may be exposed to UV light and weather for up to 12 months. Free of solvents and isocyanates, it adheres to most common building substrates without the need for priming, including damp surfaces.

FEATURES AND BENEFITS

- Can be applied to damp substrates
- Immediately waterproof
- Adheres without primer
- Paintable
- Vapor permeable (13.6 perms at 12 mils)
- Primerless adhesion to most transition materials
- Excellent UV and weather resistance
- Solvent-free, isocyanate-free formulation - VOC Compliant
- Seamless elastomeric membrane
- Easily repairable - saves time & reduces steps
- Suitable for 12 months UV exposure

APPLICATIONS

- Liquid-applied flashing for commercial and residential envelopes
- Suitable for sheathing, CMU, concrete, and rough openings
- Works behind metal panels, masonry, MCM, and rainscreens

PREPARATION

Surfaces must be clean, structurally sound, and free of debris. Damp surfaces are acceptable provided no standing water is present. Substrate compatibility testing is recommended before proceeding with full installation.

APPLICATION INSTRUCTIONS

Recommended thickness: 12 wet mils. Coverage: 1 square ft. per 0.8 fl. oz. Cure and dry times will vary based on ambient temperature and humidity conditions.

STANDARDS

- AAMA 714-19
- ASTM E84, class A rating

AVAILABILITY

NovaBarrier™ LF1000 is available in 20 ounce sausages.

COLORS

Available in black. Paintable.

STORAGE

NovaBarrier™ LF1000 has a shelf life of eighteen (18) months from the date of manufacture when stored in a closed, unopened container in a dry place at temperatures between 41°F to 86°F (5°C and 30°C). Freeze-thaw stable.

TYPICAL PHYSICAL PROPERTIES*

Property	Test Method	Typical Value
Sealant Chemistry		Hybrid
Solid Content		> 97%
Skin Time		40 min
Application Temperature		0°F to 150°F (-18°C to 66°C)
Application Thickness		12 mils (wet)
Tensile Strength	ASTM D412	125 psi
Elongation	ASTM D412	375%
Water Vapor Transmission	ASTM E96	13.6 perms
Hardness (Shore A)	ASTM C661	25

*The values outlined reflect testing that was conducted under laboratory conditions, actual results may vary. The information provided in the above table is not intended for use in preparing specifications. Please consult manufacturer for additional information.

ASTM E84: SURFACE BURNING CHARACTERISTICS

Test	Standard	Results
Flame Spread	≤ 25	5
Smoke Developed	≤ 450	10

NFPA Class A, UBC Class 1

PRECAUTIONS

Consult and obey all applicable local, state, and federal regulations. For additional information refer to Safety Data Sheet (SDS).

LIMITATIONS

Do not apply to frozen surfaces or during active precipitation. Protect membrane until fully cured.

VOC CONTENT

NovaBarrier™ LF1000 has typical VOC Content of < 21 g/l (<2%). 50 state VOC Compliant (<4%).

ADDITIONAL INFORMATION

Novagard believes that the information provided is a true and accurate description of the typical characteristics of the aforementioned product; however, it is the responsibility of the individual user to thoroughly test the product in their specific application to determine performance, efficacy, and safety.