TEKNISK DATABLAD

SabetoFLEX PIB Corners

With Butyl and Aluminum Mesh – Internal and External Corners

DESCRIPTION

SabetoFLEX PIB Corners with butyl and aluminum mesh are prefabricated internal and external corners featuring a reinforced three-layer construction consisting of a UV- and weather-resistant PIB top membrane, an integrated aluminum mesh reinforcement and a PIB-modified butyl adhesive backing. This reinforced version is designed for applications requiring a strong, flexible and highly conformable corner solution for sealing difficult corners, transitions and terminations.

The product is intended for use in vapor barriers, radon barriers, roofing underlays and wind barrier systems where a reinforced self-adhesive corner solution is required. The material withstands light vibrations, provides an excellent moisture and vapor barrier and is completely free from PFAS and other hazardous substances. The product is fully recyclable.

KEY BENEFITS

- Reinforced with aluminum mesh for increased stability
- Self-vulcanizing, self-adhesive PIB-modified butyl backing
- UV- and weather-resistant PIB top membrane
- Suitable for vapor barrier, radon barrier, roofing underlay and wind barrier applications
- Withstands light vibration and demanding construction details
- Free from PFAS and other hazardous substances

TECHNICAL DATA

Property	Value
Material	UV-resistant Polyisobutylene (PIB) top membrane with integrated aluminium mesh reinforcement and PIB-modified butyl backing
Construction	Three-layer construction
Application	Vapour barriers, radon barriers, roofing underlays and wind barriers
Corner Type	Internal and external corners – reinforced version
Colours	Black RAL 9004, Grey RAL 7000, Tile Red RAL 8004
Thickness	1.9 ± 0.2 mm
Dimensions	Depending on corner type and project requirements
Weight	Approx. 3.5 kg/m^2 (based on the base material)
Installation Temperature	-10 °C to +60 °C. Down to -60 °C when using SabetoFLEX Activator Spray or heat
Service Temperature	-60 °C to +80 °C when installed without mechanical stress. Approved for installation against hot surfaces up to 223 °C for 30 minutes

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Jointing	Self-vulcanizing with a minimum overlap of 20 mm.
Low Temperature Flexibility	Down to -40 °C
UV Resistance	Top membrane tested according to EN 1297 (18,000 hours)
Water Vapor Resistance (μ)	Top membrane tested according to DS/EN 1931: 260,000 μ
Storage	Store in a dry environment at temperatures up to 40 °C
Environmental Information	Contains no environmentally hazardous substances. Completely free from PFAS and other hazardous substances. 100% recyclable.

APPLICATION

SabetoFLEX PIB Corners with butyl are used as prefabricated detail components in vapor barrier, radon barrier, roofing underlay and wind barrier systems. Select either the internal or external corner depending on the construction detail and install onto suitable, clean and dry substrates.

Position the self-adhesive butyl backing against the substrate so the corner becomes an integral part of the overall sealing system for transitions, terminations and difficult corner details. Joints should be formed with a minimum overlap of 20 mm.

When installing on difficult or porous substrates, SabetoFLEX Recycled Primer may be used in accordance with the selected system specification. When adjustment is required on damp substrates, SabetoFLEX Activator Spray may be used.

The substrate, dimensions, overlap, installation temperature and construction details should always be assessed according to the specific application and project requirements. Always consult the Technical Data Sheet before installation.

STORAGE AND SHELF LIFE

Store in a dry environment and protect from moisture, direct heat and mechanical damage. The product should be stored under clean, dry conditions at temperatures not exceeding 40 °C.

LIMITATIONS

The selection of corner type, dimensions, substrate and installation method must always be assessed according to the specific construction and project requirements. The reinforced version should be selected where the construction detail requires additional stability or increased mechanical robustness.

DISCLAIMER

This Technical Data Sheet is provided by SabetoFLEX for information purposes only. While the information contained herein is believed to be reliable, no warranty is given as to its accuracy or completeness. It is the responsibility of the user to determine the suitability of the product for the intended application.

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