

Pre-Seal Cuff TPU

10.2025

Celdex Pre-Seal Cuff TPU is a semi-closed cell polyurethane foam tape and features a designed 'low friction' TPU top layer on the upper side. The cuff is specially engineered to create airtight and thermal seals for cross joints, penetrations, and column connections. Pre-Seal Cuff TPU is custom-made based on application and dimensions. Available with single-sided adhesive backing, in grey with a black top layer.

PROPERTIES

Pre-Seal Cuff TPU is developed to meet the highest airtightness requirements for large joints with minimal compression (20 %). The product is highly suitable for achieving airtight assembly of various building components. To allow easy positioning of the building elements, Pre-Seal Cuff TPU is equipped with a special 'low-friction' TPU top layer. The cuff is specifically designed to create an airtight and thermal seal for cross joints, penetrations, and column connections.

CHARACTERISTICS

- Semi-closed cell polyurethane foam tape
- Compressible
- Equipped with a 'low-friction' TPU top layer
- Custom-made as a cuff
- Available as die-cut and cut-to-size part
- Optimal airtight sealing properties
- With or without adhesive backing

- Prevents air and thermal leakage
- Sound absorbing
- Not UV-resistant
- Colour: grey

PROCESSING GUIDELINES

Thoroughly remove dust, dirt and grease from the substrate with neutral Celdex Cleaner. Use the correct tape size for every joint width. When using Pre-Seal Cuff TPU ensure that this is free from UV or water burden. Always apply the self-adhesive side to the most even substrate and prevent air entrapment. Pre-Seal Cuff TPU can be applied to untreated wood without the need for a primer. When the temperature is below 10 °C, the self-adhesive layer has a reduced initial adhesive strength. Apply the foam tape without tension. In corners the foam tape should be cut and re-joined with overlength in a 90° angle with overlength, glue butt joints using contact adhesive. In case of exterior corners (of frames) apply an overlap and press the cuff together on the adhesive layer. After application apply extra pressure with the Celdex Pressure Roller.

Seal4Prefab

Pre-Seal LF is part of the Seal4Prefab sealing system. The system consists of an airtight, insulating and driving rain seal. Seal4Prefab has been specifically developed for the prefab construction & industry.

SAFETY

No specific safety guidelines exist for this product.

MAINTENANCE INSPECTIONS

Possible damages to the sealing materials can be timely identified by performing periodic inspections. In order to prevent consequential damage, reconstruction works will be carried out in consultation with Celdex. Before any reconstruction works are carried out, it is essential to establish the cause of the damage to the sealing and to ask Celdex for additional advice. This can be done by means of targeted visual inspections or by assessing the damage in a laboratory.

IN CASE OF DOUBT

When in doubt, or in case of deviating circumstances, you can contact our Technical Department. Would you prefer customised advice? Our technical consultants will be happy to help you.

CELDEX

Celdex is a producer of synthetic foam products for construction, industry, sports & leisure. In addition to a wide range of standard products, we also provide customisation. Whichever product you choose, we produce everything in-house and use short delivery times. Celdex is the one discussion partner for airtight construction for architects, construction companies and the supplying industry. Our consultants have broad constructional know-how and think along about construction, use of material and critical connections. Our products can usually be applied prefab, which saves a lot of time and construction costs. Throughout the building process, we provide advice about the application and processing of our materials, aiming for optimal performance.

Discover our assortment:

- Foam fillers
- Stone wool products
- Single-sided and double-sided adhesive foam tapes
- Pre-compressed foam tapes
- Butyl tapes
- Fire-resistant products
- Anti-drumming materials
- Duct seals
- Tapes
- Polyurethane foams, elastic sealants and adhesives

TECHNICAL DATA

Density	31 kg/m ³
Compression force	9-14 kPa
Colour	Grey
Airtightness (NEN 2687) 25 % compression	Class 3
Airtightness (NEN-EN 12207) 25 % compression	Class 4
Airtightness (C-Value) 25 % compression	0.0003 dm ³ /s .m.Pa ⁿ
Airtightness (EN 1026) 25 % compression	Qv10 = 0.002 dm ³ /s
Airborne sound insulation (ISO 10140-2:2012) (Rw)	42 (-1;-2) dB (applied once) / 49 (0;-2) dB (applied twice)
Fire behaviour (FMVSS 302)	< 100 mm/min
Durability	BRL 2804-1 aging
Service temperature range	-40 °C to +120 °C
Thermal conductivity	0.033 W/mK
Permanent deformation (ISO 1865) 22h/70 °C	8.5 %
Elongation at break (ISO 1798)	> 145 %
Tensile strength	165 kPa
Available thicknesses	5, 7, 10, 12, 15, 20, 25, 30 and 40 mm / others on request
UV-resistance	Poor
Joint type	All joint types possible
Aging	Changes colour
Shelf life at storage temperature 20 °C	12 months in closed package

The data on this product data sheet was represented as complete and as correctly as possible, but cannot constitute any guarantee. When in doubt, please consult one of our specialists. The application method, as also the application conditions will be your own responsibility. Deliveries will take place exclusively in conformity with our General Delivery and Payment Conditions.