



EPDM Soft Cuff TPU

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Celdex EPDM Soft Cuff TPU is a soft semi-closed-cell EPDM rubber. In order to position building elements easily, the product has a 'low-friction' top layer. The cuff is specially designed to create a driving rain and airtight seal for penetrations and column connections. The material is resistant to UV and aging. EPDM Soft Cuff TPU is custom-made based on the specific application and dimensions. Single-sided adhesive, available in the colour black.

PROPERTIES

The foam tape achieves its sealing properties through compression. To meet its specifications, such as airtightness, thermal and acoustic insulation, a minimum compression of 20% will be sufficient. Single-sided adhesive, available in black. EPDM Soft Cuff TPU is specially designed to create a driving rain and airtight seal for penetrations and column connections. In order to position building elements easily, the product has a 'low-friction' TPU top layer.

CHARACTERISTICS

- Semi-closed-cell EPDM rubber
- Single-sided adhesive (acrylate)
- Equipped with low-friction TPU top layer
- Custom-made as a cuff
- Easily compressible
- Excellent sealing properties
- Good temperature resistance
- Weather resistant

- Resistant to aging
- Colour: black

PROCESSING GUIDELINES

Thoroughly remove dust, dirt and grease from the substrate with neutral Celdex Cleaner. Use the correct tape size for every joint width. After removal of the release liner Celdex EPDM Soft Cuff TPU can be applied to the substrate. Apply the foam tape to the substrate without stretching and prevent air entrapment. Foam tapes should be recessed in the joint. In corners, the foam tape should be cut and re-joined at a 90° angle with overlength. Butt joints should be glued using Celdex 8400/31 contact adhesive. For a correct sealing, it is required to connect the EPDM tape to the jointing surfaces and compress it approx. 20 % to meet its specifications. After application apply extra pressure with the Celdex Pressure Roller.

Seal4Prefab

EPDM Soft Cuff TPU 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 prefabricated 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 prefabricated, 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	90 kg/m ³
Adhesive	Acrylic
Colour	Black
Compression for sealing	20 %
Required compression	25 % (2.9 kPa) 50 % (4.8 kPa)
Tensile strength	92 kPa
Elongation at break	170 %
Service temperature range	-40 °C to +120 °C (short term +150 °C)
Application temperature	+10 °C to +40 °C
Airtightness (EN 1026) 50 % compression	Qv10 = 0.010 dm ³ /s
Airtightness (NEN 2687) 50 % compression	Class 3 (SHR report 16.0222)
Airtightness (NEN/EN 12207) 50 % compression	Class 4 (SHR report 16.0222)
Air permeability (C-Value) 20 % compression	0.00103 dm ³ /s.m.Pa ⁿ (SHR report 16.0222)
Air permeability (C-Value) 50 % compression	0.00025 dm ³ /s.m.Pa ⁿ (SHR report 16.0222)
Airborne sound insulation (ISO 10140-2:2012) (Rw)	34 (-1;-2) dB
Fire behaviour (FMVSS 302)	< 100 mm/min
Sound absorption (500-2000Hz)	Very good
Thermal conductivity	0.037 W/mK
Durability	BRL 2804-1 aging
Aging resistance	Very good
UV-resistance	Good
Available thicknesses	3, 20, 30 and 40 mm / others on request
Joint type	Flat, parallel / flat, tapered
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.