

PRODUCT DATA SHEET

ISO-ZELL CELLULAR RUBBER



PRODUCT DESCRIPTION

ISO-ZELL CELLULAR RUBBER is a sealing tape made of closed-cell EPDM rubber that was specially developed for permanent continuous use in both indoor and outdoor applications. The material stands out with its high elasticity and excellent resilience and adapts optimally to uneven surfaces. It is exceptionally resistant to weathering, UV and ozone, absorbs practically no water and remains dimensionally stable and functionally reliable even at extreme temperatures. ISO-ZELL CELLULAR RUBBER offers maximum protection against moisture, dust and air draughts.

APPLICATION

ISO-ZELL CELLULAR RUBBER is used as a dependable sealing solution in construction, industry and especially the field of PV systems. It is excellent for sealing joints, connections and transitions between components on facades, windows, doors, conservatories, verandas and carports. In photovoltaic and PV construction, ISO-ZELL CELLULAR RUBBER is used, for example, for sealing between trapezoidal roof panels and mounting rails. It reliably prevents the penetration of moisture, protects against corrosion at attachment points and helps to reduce wind noise.

And in timber construction, ISO-ZELL CELLULAR RUBBER acts as a moisture barrier beneath timber substructures and serves to create air tight component connections. With its high resistance to weathering, UV and ozone and its exceptional

PRODUCT ADVANTAGES

- excellent resistance to weathering, UV and ozone
- very low water absorption
- high temperature stability
- good chemical resistance
- high elasticity and resilience
- good insulating properties
- durable and low-maintenance

elasticity, ISO-ZELL CELLULAR RUBBER is especially suitable for permanent external use.

APPLICATION

The substrate of the bonding surfaces must be load-bearing, solid and free of dust, release agents, oil and grease. For optimum sealing effect, the tape should be compressed slightly.

FINISHES

- without self-adhesive strip (standard)
- self-adhesive on one side (making it easier to fit)

ISO-ZELL CELLULAR RUBBER

Technical data	Standard	Classification
Material	ISO 1629	closed-cell synthetic rubber
Colour		black
Bulk density	ISO 845	approx. 130 kg/m ³
Tensile strength	ISO 1798	> 350 kPa
Elongation at break	ISO 1798	> 150 %
Shore A hardness	ISO 868	approx. 35 Shore 00
Thermal conductivity	ISO 8302	< 0.045 W/m·K
Temperature stability range	internal	-40 °C to +100 °C
Maximum application temperature range (short-term)		+120 °C
REACH	EC 1907/2006	compliant
Shelf life		1 year, in original packaging and stored dry
Storage temperature		+1 °C to +20 °C

DIMENSIONS

thickness: 2, 3, 5, 10 mm

width: 10, 30, 50, 100 mm

Alternative dimensions available on request.

PACKAGING

rolls, roll length of self-adhesive finish:

- 50 m (2 – 3 mm material thickness)
- 10 m (5 mm material thickness)
- 20 m (10 mm material thickness)

SERVICE

- standard sizes available from stock
- private label and / or special labelling available
- non-standard widths available on request
- competent experienced technical support available in the field and by phone