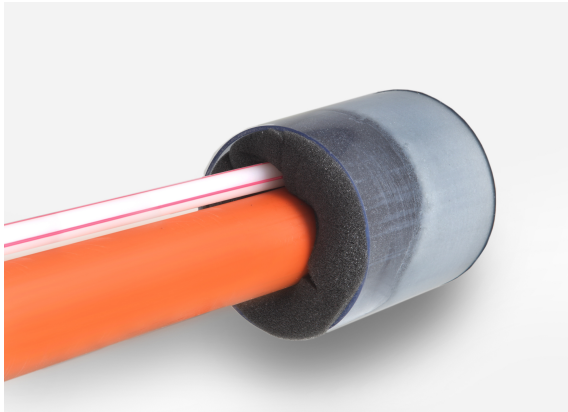


MDIII Duct & Conduit Sealing System



Duct sealing systems MDIII have been developed to provide an effective and simple solution for Gas and Watertight sealing of cables & pipes in ducts, conduits & boreholes.

This duct sealing system is extremely flexible and can be installed in ducts vertically and horizontally.

All our duct sealing systems are specified and used by major Electrical, Gas, & Water Utility companies in the UK and Benelux countries.

Complies with 2011 NEC Articles 225.27, 230.8, 300.5(G), 300.7 (A) on Raceway Seals, and 501.15 (B)(2)

Features

- Gas and Watertight 1.0 bar (14.50psi)
- Can be made Fire resistant by using MD+
- Resistant to Hydrogen Sulphide / Methane and many other Gases
- Resistant to Hydrocarbons
- Complies with ATEX regulations
- WIMES Compliant, (3.02 2013 clause 6.4.3.2 c)
- Complies with 2011 NEC Articles 225.27, 230.8, 300.5(G), 300.7 (A) on Raceway Seals, and 501.15 (B)(2)
- Suitable for ducts/conduits & boreholes up to 250mm (10.0" inches)
- Quick and easy installation
- A complete kit for one duct. No wastage
- Seals all known materials, PVC & PE sheathed cables, PILC, (HD) PE pipes
- Excellent mechanical strength, after curing resistant to movements, shocks and vibrations
- Suitable for renovations, can be installed retrospectively
- Over 30 years of operational experience



Specifications

MDIII Duct & Conduit Sealing System

Properties	Unit	Value
Start time expansion	seconds	> 95
End time expansion	minutes	15
Compressive strength	N / cm ²	> 60
Gas and water tightness 1,0bar	30 days	no leakage
Density 10m water column	30 days	no leakage
Volume consistency	cube 10 x 10cm	no change
Temperature Cycles, -20°C tot +40°C	10 consecutive cycles	no leakage
Vibration test 10 Hz/amplitude 3mm	240 hours	no leakage
Axial tensile force	diameter x 10 N	no leakage
Resistance to bending	cables 45° in 2 directions >250mm	no leakage
Expansion polyurethane foam in pipe	cm	< 40
Temperature resistance	°C	+120
Chemical resistance		
0,1N Na ₂ SO ₄	30 days	no degradation
0,1N NaCl	30 days	no degradation
0,1N H ₂ SO ₄	30 days	no degradation
0,1N NaOH	30 days	no degradation
Diesel	30 days	no degradation
Gasoline	30 days	no degradation
Resistance		
Moulds		good
Rodents		good
Shelf life	months	minimal 30

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More info

[Download: Material Safety Data Sheet \(MSDS\)](#)

Products

Art.nr.	Product Name	Duct diameter min.-max. (mm)	Maximum cable diameter in the duct (mm)	Order unit
282550P	MDIII-50 duct sealing kit (2.0")	Ø 50 max.	Ø 20 max.	per piece
282575	MDIII-75 duct sealing kit (3.0")	Ø 75 max.	Ø 40 max.	per piece
280295	MDIII-110 duct sealing kit (4.0")	Ø 110 max.	Ø 80 max.	per piece
280296	MDIII-160 duct sealing kit (6.0")	Ø 160 max.	Ø 130 max.	per piece
2802973	MDIII-200 duct sealing kit (8.0")	Ø 200 max.	Ø 160 max.	per piece
2802978	MDIII-250 duct sealing kit (10.0")	Ø 250 max.	Ø 220 max.	per piece