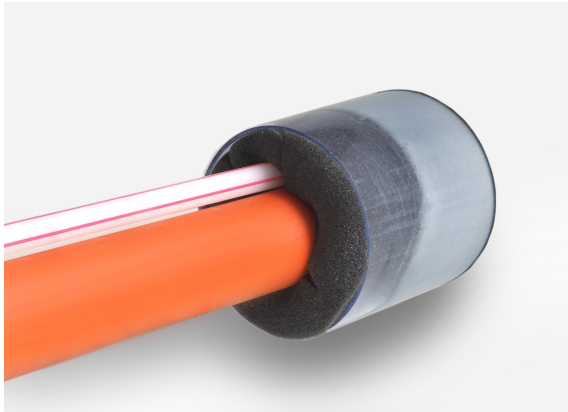


# MDIII Duct & Conduit Sealing System



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 <sup>2</sup>               | > 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 <sub>2</sub> SO <sub>4</sub> | 30 days                           | no degradation |
| 0,1N NaCl                            | 30 days                           | no degradation |
| 0,1N H <sub>2</sub> SO <sub>4</sub>  | 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     |

# MDIII Duct & Conduit Sealing System

# MDIII Duct & Conduit Sealing System

## 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  |