

MDII Duct Sealing System



Duct sealing system type MDII has been developed to provide an effective and simple solution for all your Gas and Watertight duct sealing requirements. Seals internally & externally around the outside edge of the duct

Suitable for ducts with a diameter of 40mm up to 200mm and cables or pipes with a diameter up to 160mm.

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

Features

- Gas- and watertight 1,0 bar
- Can be used in any shaped or sized duct up to 200mm
- Easy and quick installation
- One complete kit for sealing of one duct
- Seals all known materials: PVC & PE sheeted cables, PILC cables, (HD)PE pipes, PE drink water conduits
- High mechanical strength, resists ground movement, shocks and vibrations
- Also suitable for renovation works
- No architectural measures necessary
- Used by various utility companies as well as contractors
- Over 25 years of operational experience



Specifications

MDII Duct Sealing System

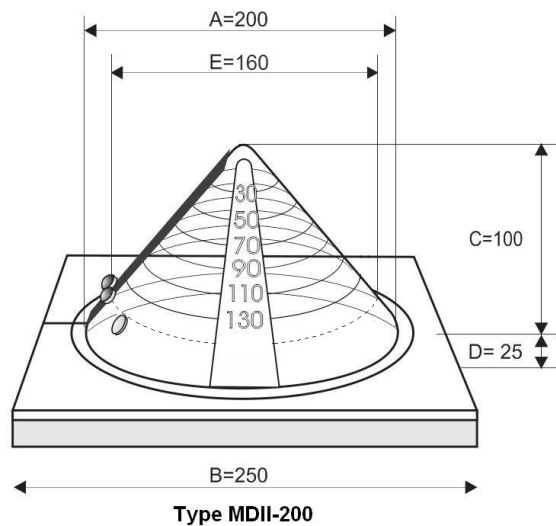
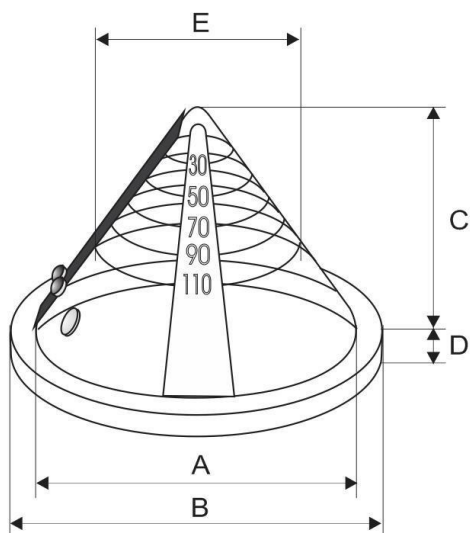
Properties	Unit	Value
Start time expansion	seconds	> 95
End time expansion	minutes	15
Compressive strength	N / cm ²	> 60
Gas and water tightness 1,0bar	30 days	no leakage
Density 10m water column	30 days	no leakage
Volume consistency	cube 10 x 10cm	no change
Temperature Cycles, -20°C tot +40°C	10 consecutive 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

[MSDS safety sheet](#)



	MDII-50	MDII-110	MDII-125	MDII-160	MDII-200
A	80	130	150	200	200
B	100	150	170	220	250
C	80	75	70	90	100
D	16	15	15	15	25
E	40	70	90	130	160

Products

Art.nr.	Product Name	Duct diameter min.-max. (mm)	Maximum cable diameter in the duct (mm)	Order unit
280271P	MDII-50 duct sealing kit	Ø 50 max.	Ø 40 max.	per piece
280261	MDII-110 duct sealing kit	Ø 110 max.	Ø 70 max.	per piece
280251	MDII-125 duct sealing kit	Ø 125 max.	Ø 90 max.	per piece
280241	MDII-160 duct sealing kit	Ø 160 max.	Ø 130 max.	per piece
280246	MDII-200 duct sealing kit	Ø 200 max.	Ø 160 max.	per piece
280247	MDII-250 duct sealing kit	Ø 250 max.	Ø 200 max.	per piece