

PILOSTOP MORTAR

Product Technical Data Sheet



BENEFITS FOR INSTALLATORS

- ✓ **ideal** for multiple penetrations
- ✓ **simplify work:** one side applications
- ✓ **time saver:** chemical adhesion and fast drying
- ✓ **fast work:** mixes fast with water
- ✓ **excellent adhesion:** bonds to substrates
- ✓ **safety of floors** -mechanical and load resistance
- ✓ **re-enterable:** add more cables and pipes
- ✓ **wide range of application** - includes cable trays

FEATURES

- up to 240 minutes fire resistance
- high strength gypsum based compound
- ideal for penetrations of multiple services in floors
- ready-to-mix solution , non-combustible
- load bearing
- no shrinkage
- no priming necessary
- paintable and drillable
- resistance against smoke, gas and sound
- low emissions – environment friendly
- use with PILOSTOP PIPE WRAP

AREA OF APPLICATIONS

- plastic pipes – PVC/PP/PE
- composite pipes
- steel pipes
- copper pipes
- cables – single and in bundles
- cable on perforated trays and ladders
- cable conduits
- ventilation ducts

APPERTURES

- big openings penetrated by pipes cables in concrete, masonry and dry wall floors and walls

DATA	PROPERTIES
Fire resistance	Test data in accordance with EN 1366-3
Hardened	less than 1 hour (depending on climate)
Totally hardened	up to 30 days depending on thickness and temp
Compressive strength	24 hours"6-7 N/mm2 ; 28 days 14-15 N/mm2
Flash point	none
Product consumption	approx. 3.42 bags per m2 – 50mm depth approx. 6.84 bags per m2 – 100mm depth
Shrinkage	no - 1% expansion
Approx. mixing proportions	2:1 for casting (floors) 3,5:1 for filling (walls)
Product packing	20L – approx. 15 kg (1L approx. 1.3 kg)
Aplication temperature	+5 to +50 0C
Service temperature	-30 to +80 0C
Storage time	
Working life	under normal conditions: 30 years

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INSTALLATIONS SUMMARY:

PILOSTOP Fire Stop Mortar System is designed for wide range of service fire stop penetration seals around metallic pipes, plastic pipes, composite pipes, electrical cables to reinstate the fire performance of walls and floors. All statements, recommendations and TDS's information is provided based on our experience and in good faith for guidance only. User is solely responsible for correct product selection and determining whether it is fit for a particular purpose and suitable for user's method of application and installation of the material needs to be verify and in accordance with UL Certificate No. UL-EU-01120-CPR only, where detailed installations data and fire classification information are.

Substrate	Penetration Services	Diameter	Seal position	Fire Resistance
WALLS masonry, concrete and gypsum board,	Blank		single side(any)	E180
	Cables	≤Ø 50 mm (single)	single side(any)	E180
	Cables	≤Ø 80 mm (single and in bundle and on trays)	single side(any)	E120
	Unsheathed wire	up to 24mm	each face	E240
	Cable steel trays & ladders		single side(any)	E180
	Cables PVC and steel conduit	up to 16mm	single side(any)	E180
	PVC pipes	up to 219mm	single side(any)	E240
	PE pipes	up to 32mm	single side(any)	E120
	PP pipes	up to 32mm	single side(any)	E120
	Mild or steel pipe	up to 219mm	single side(any)	E120
	Copper pipes	up to 54mm	single side(any)	E240
	Note: for gypsum board walls fire resistance up to E120, check UL certification for pipe range			
FLOORS concrete	Blank		upper face	E180
	Cables	up to Ø 80 mm (single and in bundles and on trays)	upper face	E120
	Cable steel cable trays & ladders		upper face	E120
	Cables telecommunication	up to Ø 21 mm (single) up to Ø 100 mm tied bundles)	upper face	E180
	none-sheathed wires	up to 24mm	upper face	E180
	Cable PVC conduit	up to 16mm	upper face	E180
	PVC pipes	up to 160mm	upper face	E240
	PP pipe	up to 160mm	upper face	E240
	PP pipe	up to 250mm	upper face	E180
	Mild or steel pipes	up to 324mm	upper face	E240
	Copper pipes	up to 54mm	upper face	E240
	Composite pipes*	up to 75mm	upper face	E240