



Technical Data Sheet

Isover Protect Pipe Wrap

General Product Description

Isover Protect Pipe Wrap is designed to maintain the fire resistance of fire separating walls and floors when these are breached by plastic pipes, conduits or metal pipes with continuous combustible insulation, and may be used in drywalls, masonry or concrete walls and concrete floors.

Each pipe wrap consists of a graphite based reactive intumescent strip, which reacts to heat and closes the opening left by the softening plastic pipe or pipe insulation in a fire. The pipe wrap is installed completely around the pipes or insulation and secured with the self-adhesive tab. The annular space around the pipe wrap is sealed with Isover Protect Mortar or Isover Protect Coated Board.

Properties & Precautions

- For plastic pipe sizes from smallest pipes available to Ø400 mm with a wide range of pipe wall thicknesses
- For pipes with continuous combustible pipe insulation
- For plastic pipes with cables (conduits)
- Pipe wraps comes in two different types; ready made for most common diameters and in 25 metre rolls for all diameters
- Fire classifications up to 240 minutes for both integrity and insulation
- Certified for PVC-U, PVC-C, PE, LDPE, MDPE, HDPE, ABS, SAN+PVC and PP pipes plus numerous composite pipes
- Tested and certified for U/U pipe end applications
- Classified for fire sealing in all types of constructions
- Excellent sound insulation
- No emissions - environmentally and user friendly
- Simple to install in both Isover Protect Coated Board and Isover Protect Mortar
- Unlimited storage time (under correct conditions)
- 25 years working life guarantee

Sound Insulation

Description	Sound reduction
Pipe Wraps installed in Isover Protect Coated Board	Rw 52 dB
Pipe Wraps installed in Isover Protect Mortar	Rw 48 dB

The sound insulation value is only valid for the fire seal and not for other elements in the building construction. Tested according to EN ISO 10140-2.

Pipe End Configurations

When testing pipes, one can choose not to cap (or close) the pipe, or cap the pipe inside the furnace, or outside the furnace, or on both sides. The configuration chosen depends on the intended application of the pipe and/or the installation environment. The code defining if a pipe is capped is stated after the fire classification. For instance EI 60 C/U which means the pipe was capped inside the furnace, and uncapped outside the furnace. The test configuration defines the approvals possible.

The producer's engineering judgement based on EN 1366-3:2009 is:

Intended use of pipe		Pipe end condition ³⁾
Rainwater pipe, plastic	At drainage	U/U ¹⁾
	Not at drainage	C/C ²⁾
Drainage or sewage pipe, plastic	Ventilated drain	C/U ¹⁾
	Unventilated drain	U/C ²⁾
	Drain w/water trap	U/C ¹⁾
	Not at drainage	C/C ²⁾
Pipe in closed circuit (water, gas, air, electricity etc.)		C/C ¹⁾
Flue gas recovery system pipe, plastic		U/C ¹⁾
Pipe with open ends and ≥ 50cm length on both sides, plastic		U/C ¹⁾
Pipe supported by suspension system, metal	Fire rated support	C/U ¹⁾
	Non-fire rated	U/C ¹⁾
Waste disposal shaft pipe, metal		U/C ¹⁾

1) Suggested in EN 1366-3:2009. 2) Producers's judgement based on tests.

3) Metal pipes should have fire rated support. 4) U/U classified fire seals cover C/U, U/C and C/C. C/U classified fire seals cover U/C and C/C. U/C classified fire seals cover C/C.

Technical Data

Condition	Ready for use, water based graphite sealant
Conditioning procedure	EN 13238:2010
Expansion ratio	1:28
Expansion pressure	55 N
Colour	Anthracite
Graphite weight/density	1.3 kg/m ² per mm thickness/1300 kg/m ³
Normal expansion time	Less than 10 minutes
Minimum expansion temp.	150 °C
Storage	Store in temperatures between 5 °C and 30 °

Sizes and Intended Use

Size	pcs/ box	Intended Use
Isover Protect Pipe Wrap Ø55 mm	25	Plastic pipes & conduits ≤ Ø55 mm
Isover Protect Pipe Wrap Ø82 mm	25	Plastic pipes & conduits ≤ Ø82 mm
Isover Protect Pipe Wrap Ø110 mm	25	Plastic pipes & conduits ≤ Ø110 mm
Isover Protect Pipe Wrap Ø125 mm	20	Plastic pipes ≤ Ø125 mm
Isover Protect Pipe Wrap Ø160 mm	12	Plastic pipes ≤ Ø160 mm
Isover Protect Pipe Wrap Ø200 mm	1	Plastic pipes ≤ Ø200 mm
Isover Protect Pipe Wrap Ø250 mm	1	Plastic pipes ≤ Ø250 mm
Isover Protect Pipe Wrap Ø315 mm	1	Plastic pipes ≤ Ø315 mm
Isover Protect Pipe Wrap Ø400 mm	1	Plastic pipes ≤ Ø400 mm
Isover Protect Pipe Wrap 50 mm x 25 m	6	Pipes with combustible pipe insulation, plastic pipes & conduits
Isover Protect Pipe Wrap 75 mm x 25 m	4	Pipes with combustible pipe insulation, plastic pipes & conduits

Test Standards

This Technical Data Sheet and the Installation Instructions are based on the product's ETA issued in accordance with regulation (EU) No 305/2011 on the basis of EAD 350454-00-1104, September 2017, tested to EN 1366-3 in conjunction with EN 1363-1. The product hold the following approval marks; CE-mark for Europe.

Quality Assurance

As a part of our policy of on-going product development and testing, we reserve the right to modify, alter or change product specifications without giving notice. All information contained in this document is given in good faith and is provided for guidance only. Any drawings provided are for illustrative purposes only.

As Saint-Gobain Isover has no control over the methods or competence of installation and of prevailing site conditions, no warranties, expressed or implied, are intended to be given as to the actual performance of the product mentioned or referred to herein and no liability whatsoever will be accepted for any loss, damage or injury arising from the use of the information given.



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