PROTECTA® FR SERVICE TRANSIT

TECHNICAL DATA SHEET

General Product Description

The Protecta® Service Transit has been designed to maintain the fire resistance of walls and floors when these are breached by continuous cables and plastic pipes.

The Service Transit consists of a circular high temperature plastic tube containing a graphite based intumescent lining material which expands upon heating to seal spaces or voids around cables and pipes, thus preventing the passage of flames, smoke and gases.

After installation of the Service Transit, cables and pipes can be retrofitted without having to install a new fire seal.

The Service Transit is available in three different lengths, 150mm, 250mm and 400mm and the selection of which to use depends on the thickness of the supporting construction and the required fire classification.

Properties

- Safe, easy and quick to fire stop service penetrations.
- Ideal for installations where it is likely that services will be inserted or replaced later on
- Ideal for installations in tight spaces where it will be difficult to install a normal fire seal at a later stage in the building construction
- A plug in the middle prevents penetration of cold smoke
- New patented fast expanding graphite material
- For cables, plastic pipes and cables inside plastic pipes (conduits)
- Classified for fire sealing all types of constructions; drywalls, masonry or concrete walls and concrete floors
- Can be fitted several ways; cast in concrete, friction fitted in concrete, masonry or gypsum, or inserted in larger apertures with Protecta FR Acrylic, FR Board and EX Mortar
- Very high 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 all kinds of cables up to a certain diameter
- No emissions - environmentally and user friendly
- Unlimited storage time (under correct conditions)
- 30 years working life guarantee

Sound Insulation

Description	Sound reduction
Service Transit's in all sizes	42 dB RW

The sound insulation value is only valid for the Service Transit and not for other elements in the building construction.

The sound insulation has been tested by the accredited laboratory Exova BM Trada in Great Britain according to EN ISO 10140-2. Test report is available upon request.

Sizes and Intended Use

Pno.	Size	Qty/Box	Intended Use
P249	Ø40 x 150mm	30	Drywalls or walls of masonry and concrete ≥ 75mm thick
P250	Ø63 x 150mm	25	
P251	Ø90 x 150mm	12	
P252	Ø110 x 150mm	9	
P253	Ø40 x 250mm	30	Drywalls or walls of masonry and concrete ≥ 100mm thick or concrete floors ≥ 150mm thick
P254	Ø63 x 250mm	25	
P255	Ø90 x 250mm	12	
P256	Ø110 x 250mm	9	
P257	Ø40 x 400mm	30	Drywalls or walls of masonry and concrete or concrete floors ≥ 250mm thick
P258	Ø63 x 400mm	25	
P259	Ø90 x 400mm	12	
P260	Ø110 x 400mm	9	

Technical Data

Technical Approval	ETAG 026-2
Durability according to ETAG 026-2	Z_2 intended for use in internal conditions with humidity classes other than Z_1, excluding temperatures below 0 °C.
Tube	High temperature resistant plastic
Conditioning procedure	EN 13238:2010
Expansion ratio	17:1
Expansion pressure	65.4 N
Colour	White tube with anthracite inlay
Graphite weight	1.4 kg/m^2 per mm thickness
Graphite density	1409 kg/m^3
Normal expansion time	Less than 2 minutes
Minimum expansion temperature	105 °C
Storage	Store in temperatures between 5˚C and 30˚C
Life	Under normal conditions; 30 years +

Technical Data Sheet to ETA 17/0695