PROMASEAL® FlexiWrap
Copper Pipe Penetration Seals

etex building performance

PROMASEAL® FlexiWrap is manufactured with Promat intumescent technology. It is designed to provide fire resistance where combustible insulation is used as thermal insulation around metal pipes.

PROMASEAL® FlexiWrap has been tested up to 240 minute fire resistance with copper pipes through concrete/masonry floors and walls or lightweight partitions (with an equal or greater fire resistance level) where they are generally combustible and potential for fire, hot gases and smoke to bypass the compartmentation. It is not applicable on plastic pipes.

PROMASEAL® FlexiWrap is supplied in 850mm x 450mm forms.

Installation

### Installation in concrete/masonry floors

For penetration seals of groups of copper pipes with combustible lagging passing through a concrete/masonry floor, the following should be observed:

- Individually wrap each pipe with one layer of PROMASEAL® FlexiWrap. These wraps should protrude a minimum of 50mm from the upper and lower surface of the floor. To ensure the FlexiWrap stays in place and secured with general electrical cable ties in four locations, i.e. one at each side of the penetration and two within the depth of the penetration.

- Once wrapped, the pipes should be backfilled with PROMASEAL® Mortar.

- Maximum dimension for a floor penetration is 600mm x 400mm; multiple penetrations are allowed. For openings greater than 600mm x 400mm, please consult Promat.

Installation in concrete/masonry walls

For penetration seals of groups of copper pipes with combustible lagging passing through a concrete/masonry wall, the following should be observed:

- Individually wrap each pipe with one layer of PROMASEAL® FlexiWrap. These wraps should protrude a minimum of 50mm from both sides of the wall, or a minimum of 75mm if the wall is less than 100mm thick. To ensure the FlexiWrap stays in place and secured with general electrical cable ties in four locations, i.e. one at each side of the penetration and two within the depth of the penetration.

- For cavity walls, mild steel closers should be wrapped around the PROMASEAL® FlexiWrap to prevent the intumescent product falling into the cavity when exposed to fire.

- Once wrapped, the pipes should be backfilled with PROMASEAL®-A Acrylic Sealant, PROMASEAL® Mortar or other Promat fire stopping products depending on the dimension of the opening.

- Maximum opening dimension is 600mm x 600mm. Multiple penetrations are allowed.
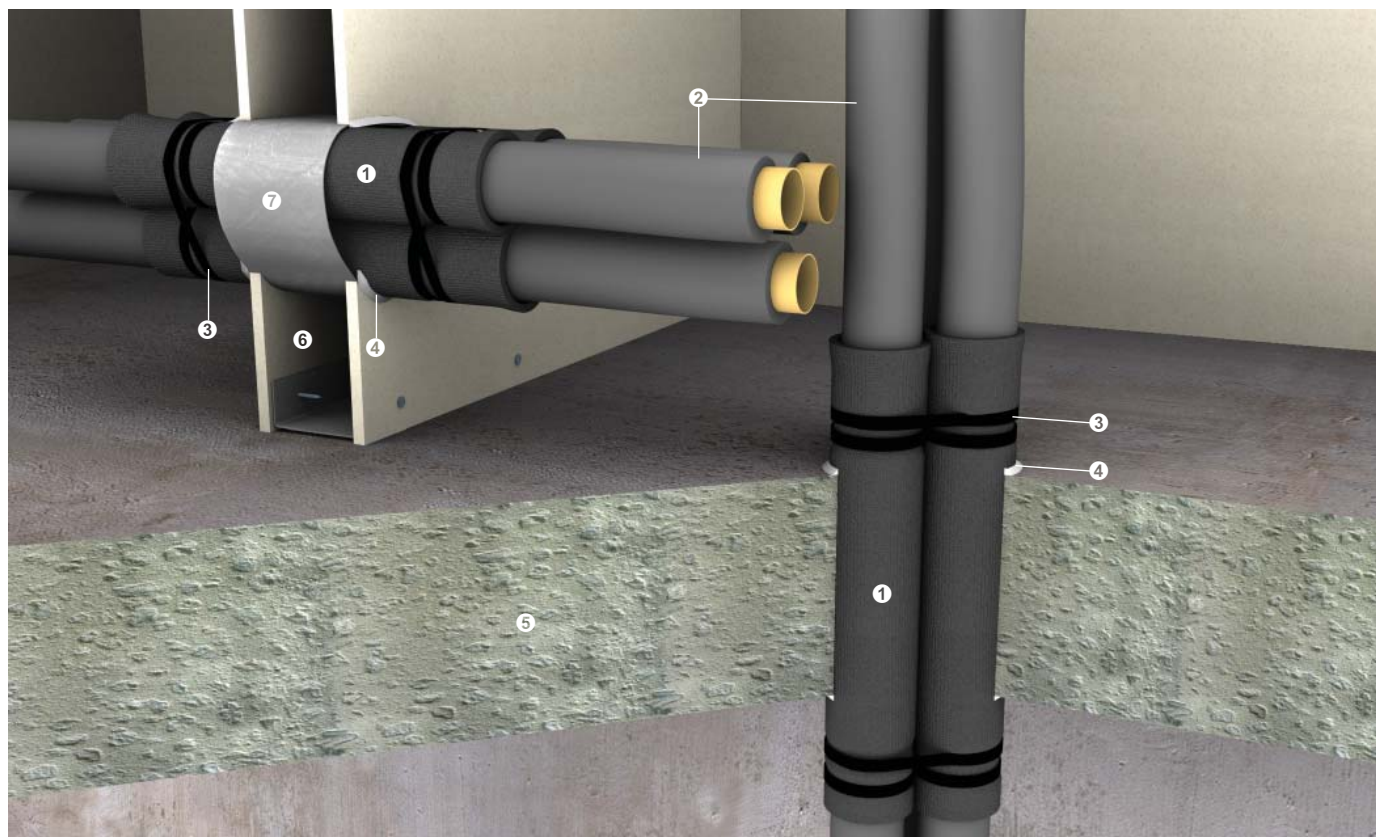
Up to -/240/120 fire resistance in accordance with the requirements of BS 476: Part 20: 1987 and/or AS 1530: Part 4: 2014, depending on applications and types of penetrating elements

❶ PROMASEAL® FlexiWrap

❷ Combustible copper pipes with insulation layers

❸ General electrical cable ties

❹ All joints and contact points (in close fit openings) caulked with PROMASEAL®-A Acrylic Sealant to prevent cold smoke ingress and water passage from natural building or thermal movement

❺ Fire resistant concrete/masonry floors

❻ Fire resistant steel/timber framed lightweight partitions

❼ Where a cavity exists at which the PROMASEAL® FlexiWrap passes through a wall/partition, mild steel closers should be wrapped around the FlexiWrap to prevent the intumescent product falling into the cavity when exposed to fire

Promat provides a wide range of systems for compartmentation, fire resistant air and cable ducts, structural steel protection, fire stopping and partitions. For assistance with any passive fire protection problems, contact the nearest Promat office.

Promat

Promat Australia Pty Ltd

South Australia office

1 Scotland Road
Mile End South, SA 5031
T   1800 PROMAT (776 628)
F   +61 (8) 8352 1014

New South Wales office

Unit 1, 175 Briens Road
Northmead, NSW 2152
T   1800 PROMAT (776 628)
F   +61 (2) 9630 0258

Victoria office

Suite 205, 198 Harbour Esplanade
Docklands, VIC 3008
T   1800 PROMAT (776 628)
F   1800 334 598

Queensland office

433 Logan Road
Stones Corner, QLD 4120
T   1800 011 376
F   1800 334 598

E   mail@promat.com.au

www.promat.com.au

Etex is a Belgian industrial group that specialises and markets high quality building materials and systems. Founded since 1905 and headquartered in Brussels, Belgium, Etex currently operates in 107 factories and 102 subsidiaries across 42 countries, employs more than 15,000 people and is one of the largest fibre cement producers in the world.

Through its subsidiaries, the group offers an extensive range of products: small and large roofing materials, cladding and building boards, passive fire protection systems.

Etex aims to be a professional, solid partner for all kinds of building projects.

etex building performance