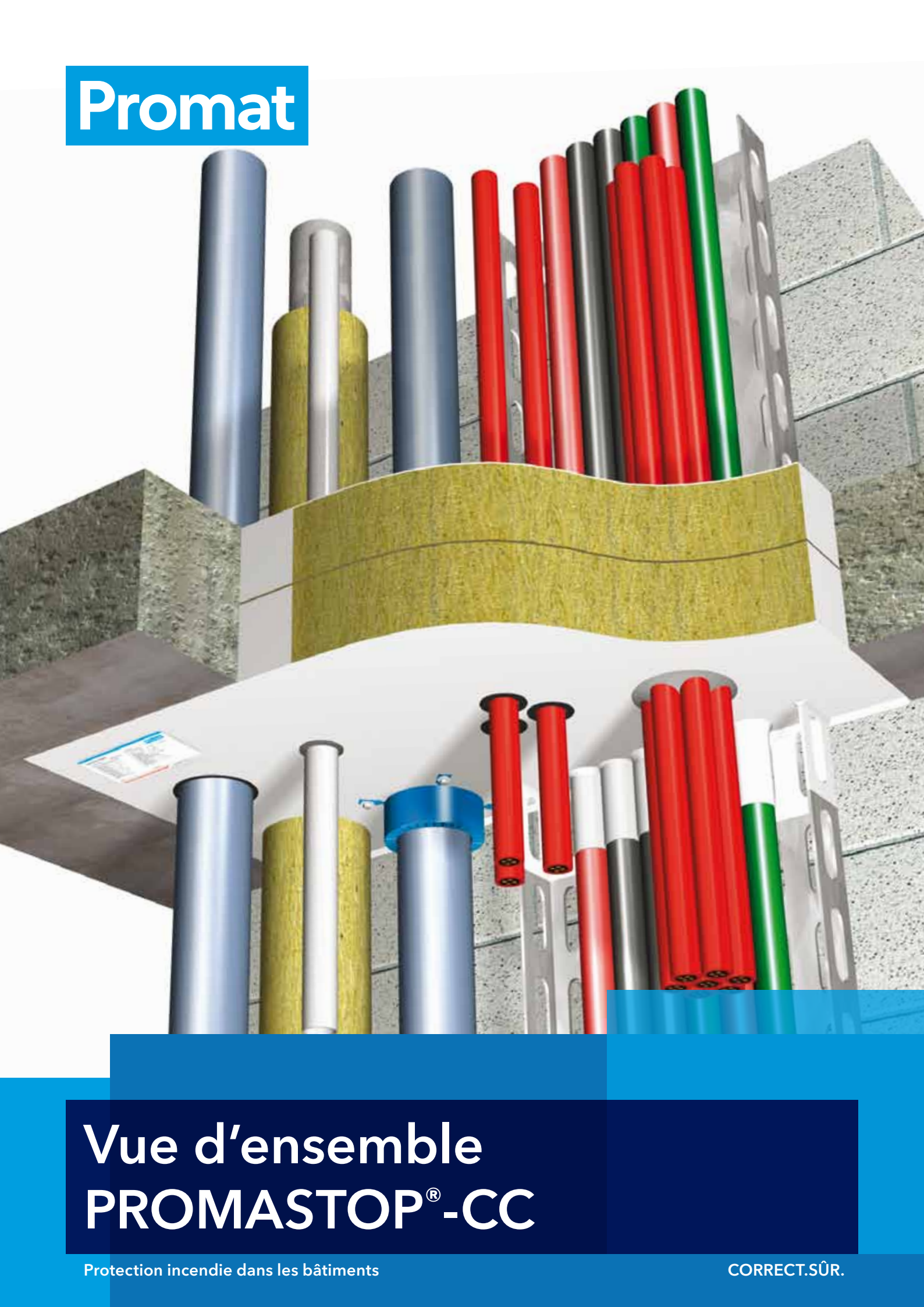


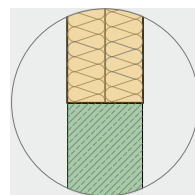
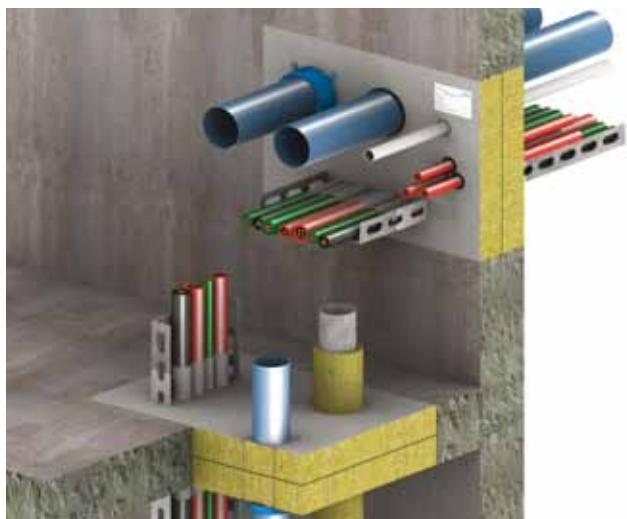
A 3D cutaway diagram illustrating the PROMASTOP-CC fire protection system. The diagram shows a cross-section of a concrete wall with several pipes (blue, yellow, white, red, and green) passing through it. A thick, yellow, wavy layer of fire-protective material is applied over the pipes. A blue ring is shown around one of the blue pipes. The system is designed to protect the pipes from fire and maintain their integrity during a fire event.

Promat

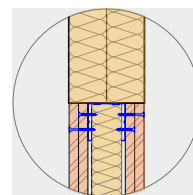
Vue d'ensemble PROMASTOP®-CC

Protection incendie dans les bâtiments

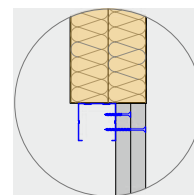
CORRECT.SÛR.



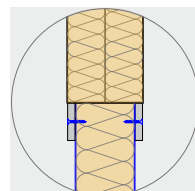
MBW
mur massif
≥ 100 mm



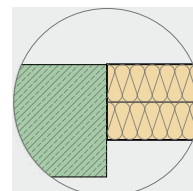
LBW
cloison légère
≥ 100 mm



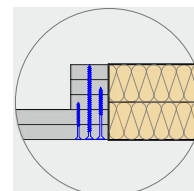
gaine technique
≥ 2 x 20 mm



Panneau sandwich
1: Pflaum ≥ 80mm
2: Bruch ≥ 80mm



MD
plafond massif
≥ 150 mm

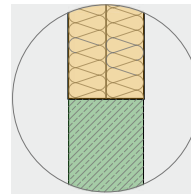
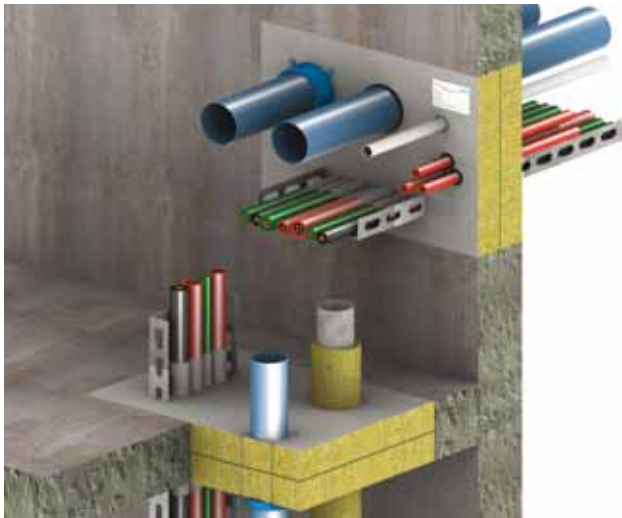


LBD
plafond suspendu
≥ 2 x 20 mm

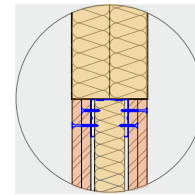
Situation - obturation à un seul panneau PROMASTOP®-CC 1 x 50 mm	MBW	LBW	gaine technique	sandwich 1	sandwich 2	MD	LBD
Résistance au feu - obturation vide	El60	El60	---	---	---	El60	---
Dimensions maximale	3,00m ²	3,00m ²	---	---	---	3,00m ²	---
Câble avec PROMASTOP®-CC → tableau 4, page 6							
KG1: tous les câbles sous gaine Ø ≤ 21 mm	El60	El60	---	---	---	El90	---
KG2: tous les types de câbles sous gaine 21 ≤ Ø ≤ 50 mm	El60	El60	---	---	---	El60	---
KG3: tous les types de câbles sous gaine 50 ≤ Ø ≤ 80 mm	El60	El60	---	---	---	El60	---
KG4: Faisceau de câbles composé de câbles KG1 Ø ≤ 100 mm	El60	El60	---	---	---	El90	---
KG5: tous les câbles non gainés Ø ≤ 24 mm	El45	El45	---	---	---	El60	---
KG6: Tuyau/tuyau vide - acier, cuivre, plastique, U/C, Ø ≤ 16 mm	El45	El45	---	---	---	El45	---
Câble avec PROMASTOP®-IM CJ21 → tableau 5, page 7							
KG1: tous les câbles sous gaine Ø ≤ 21 mm	El60	El60	---	---	---	El60	---
Tuyaux non combustibles, isolation non combustible avec PROMASTOP®-CC → tableau 14 - 17, page 23 - 24							
Tuyaux en acier Ø ≤ 114 mm, s ≤ 14,2 mm	El60	El60	---	---	---	El60	---
Tuyaux en acier Ø ≤ 220 mm, s ≤ 14,2 mm	---	---	---	---	---	---	---
Tuyaux en cuivre Ø ≤ 88,9 mm, s ≤ 14,2 mm	El60	El60	---	---	---	El60	---
Tuyaux non combustibles avec isolation combustible avec PROMASTOP®-W → tableau 12 - 13, page 21							
Tuyaux en acier Ø15 mm, s 9,0 mm - Ø108 mm, s 32,0 mm, L1	---	---	---	---	---	---	---
Tuyaux en cuivre Ø15 mm, s 9,0 mm - Ø88,9 mm, s 32,0 mm, L1	---	---	---	---	---	---	---
Tuyaux en plastique (combustible) sans isolation avec PROMASTOP®-FC → tableau 7, page 9 - 13							
PE-HD, ABS, SAN, PVC Rohre Ø32, s 1,8 - Ø125, s 7,4, FC3	El60	El60	---	---	---	El60	---
PE-HD, ABS, SAN, PVC Rohre Ø50, s 1,8 - Ø200, s 11,4, FC6	El60	El60	---	---	---	El60	---
PP-H, PP-R Rohre Ø32, s 1,8 - Ø160, s 4,0, FC3	El60	El60	---	---	---	El60	---
PP-H, PP-R Rohre Ø50, s 1,8 - Ø200, s 11,4, FC6	El60	El60	---	---	---	El60	---
PVC-U, PVC-C Rohre Ø32, s 1,8 - Ø125, s 7,1, FC3	El60	El60	---	---	---	El60	---
PVC-U, PVC-C Rohre Ø50, s 1,8 - Ø250, s 4,9, FC6	El60	El60	---	---	---	El60	---
Poloplast POLOKAL NG Rohre Ø32, s 1,8 - Ø160, s 4,9, FC3	El60	El60	---	---	---	El60	---
Poloplast POLOKAL NG Rohre Ø50, s 2,0 - Ø250, s 8,6, FC6	El60	El60	---	---	---	El60	---
Poloplast POLOKAL XS Rohre Ø32, s 1,8 - Ø110, s 3,4, FC3	El60	El60	---	---	---	El60	---
Poloplast POLOKAL XS Rohre Ø50, s 2,0 - Ø110, s 3,4, FC6	El60	El60	---	---	---	El60	---
Poloplast POLOKAL 3S Rohre Ø75, s 3,8 - Ø160, s 7,5, FC3	El60	El60	---	---	---	El60	---
Poloplast POLOKAL 3S Rohre Ø75, s 3,8 - Ø160, s 7,5, FC6	El60	El60	---	---	---	El60	---
Poloplast POLO ECO plus Premium 10 Ø110, s 3,9 - Ø250, s 8,5, FC6	---	---	---	---	---	---	---
Poloplast POLO ECO plus Prem. 10 Ø315, s 10,8 - Ø400, s 13,6, FC15	---	---	---	---	---	---	---
Pipelife Master 3 Rohre Ø32, s 1,8 - Ø125, s 3,5, FC3	El60	El60	---	---	---	El60	---
Pipelife Master 3 Rohre Ø50, s 1,8 - Ø160, s 4,4, FC6	El60	El60	---	---	---	El60	---
Geberit Silent dB20 Rohre Ø56, s 3,2 - Ø110, s 6,0, FC3	El60	El60	---	---	---	El60	---
Geberit Silent dB20 Rohre Ø56, s 3,2 - Ø160, s 7,0, FC6	El60	El60	---	---	---	El60	---
Geberit Silent PP Rohre Ø32, s 2,0 - Ø125, s 4,2, FC3	El60	El60	---	---	---	El60	---
Geberit Silent PP Rohre Ø32, s 2,0 - Ø160, s 5,2, FC6	El60	El60	---	---	---	El60	---
Rehau Baupiano plus Rohre Ø40, s 1,8 - Ø200, s 6,2, FC6	El60	El60	---	---	---	El60	---
Nicol dBlue plus Rohre Ø50, s 1,8 - Ø125, s 3,9, FC3	El60	El60	---	---	---	El60	---
Girpi Friaphon Rohre Ø52, s 2,8 - Ø110, s 5,3, FC3	El60	El60	---	---	---	El60	---
Girpi Friaphon Rohre Ø52, s 2,8 - Ø160, s 6,3, FC3	El60	El60	---	---	---	El60	---
Girpi HTA-E Rohre Ø40, s 3,0 - Ø125, s 6,0, FC6	El60	El60	---	---	---	El60	---
KeKelit Phonex AS Rohre Ø58, s 4,0 - Ø160, s 5,3, FC6	El60	El60	---	---	---	El60	---
Wavin AS Rohre Ø58, s 4,0 - Ø160, s 5,3, FC6	El60	El60	---	---	---	El60	---
Wavin SiTech+ Rohre Ø50, s 1,8 - Ø160, s 4,9, FC3	El60	El60	---	---	---	El60	---
Marley Silent Rohre Ø75, s 2,0 - Ø110, s 3,0, FC6	El60	El60	---	---	---	El60	---

Suite

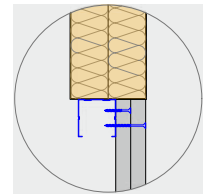
Situation - obturation à un seul panneau PROMASTOP®-CC 1 x 50 mm	MBW	LBW	gaine technique	sandwich 1	sandwich 2	MD	LBD
Tuyaux en plastique (combustible) sans isolation avec PROMASTOP®-W → tableau 9, page 17							
PE-HD, ABS, SAN, PVC Rohre Ø32/2,0 - Ø160/14,6, Ø 32 - 63 L1	---	---	---	---	---	---	---
PE-HD, ABS, SAN, PVC Rohre Ø32/2,0 - Ø160/14,6, Ø 64 - 110 L2	---	---	---	---	---	---	---
PE-HD, ABS, SAN, PVC Rohre Ø32/2,0 - Ø160/14,6, Ø 111 - 125 L3	---	---	---	---	---	---	---
PE-HD, ABS, SAN, PVC Rohre Ø32/2,0 - Ø160/14,6, Ø 126 - 160 L4	---	---	---	---	---	---	---
PP-H, PP-R Rohre Ø20/2,8 - Ø160/14,6, Ø 20 - 63 L1	---	---	---	---	---	---	---
PP-H, PP-R Rohre Ø20/2,8 - Ø160/14,6, Ø 64 - 110 L2	---	---	---	---	---	---	---
PP-H, PP-R Rohre Ø20/2,8 - Ø160/14,6, Ø 111 - 125 L3	---	---	---	---	---	---	---
PP-H, PP-R Rohre Ø20/2,8 - Ø160/14,6, Ø 126 - 160 L4	---	---	---	---	---	---	---
PP-H, PP-R Rohre Ø32/1,8 - Ø160/14,6, Ø 20 - 63 L1	---	---	---	---	---	---	---
PP-H, PP-R Rohre Ø32/1,8 - Ø160/14,6, Ø 64 - 110 L2	---	---	---	---	---	---	---
PP-H, PP-R Rohre Ø32/1,8 - Ø160/14,6, Ø 111 - 125 L3	---	---	---	---	---	---	---
PP-H, PP-R Rohre Ø32/1,8 - Ø160/14,6, Ø 126 - 160 L4	---	---	---	---	---	---	---
PVC-U, PVC-C Rohre Ø32/2,0 - Ø160/14,6, Ø 32 - 63 L1	---	---	---	---	---	---	---
PVC-U, PVC-C Rohre Ø32/2,0 - Ø160/14,6, Ø 75 - 110 L2	---	---	---	---	---	---	---
PVC-U, PVC-C Rohre Ø32/2,0 - Ø160/14,6, Ø 111 - 125 L3	---	---	---	---	---	---	---
PVC-U, PVC-C Rohre Ø32/2,0 - Ø160/14,6, Ø 140 - 160 L4	---	---	---	---	---	---	---
Poloplast POLOKAL NG Rohre Ø32/1,8 - Ø160/4,9, Ø 32 - 63 L3	---	---	---	---	---	---	---
Poloplast POLOKAL NG Rohre Ø32/1,8 - Ø160/4,9, Ø 75 - 90 L4	---	---	---	---	---	---	---
Poloplast POLOKAL NG Rohre Ø32/1,8 - Ø125/3,9, Ø 110 - 125 L5	---	---	---	---	---	---	---
Poloplast POLOKAL NG Rohre Ø32/1,8 - Ø125/3,9, Ø 140 - 160 L6	---	---	---	---	---	---	---
Poloplast POLOKAL XS Rohre Ø32/1,8 - Ø160/4,9, Ø 32 - 63 L3	---	---	---	---	---	---	---
Poloplast POLOKAL XS Rohre Ø32/1,8 - Ø160/4,9, Ø 75 - 90 L4	---	---	---	---	---	---	---
Poloplast POLOKAL XS Rohre Ø32/1,8 - Ø160/4,9, Ø 110 - 125 L5	---	---	---	---	---	---	---
Poloplast POLOKAL XS Rohre Ø32/1,8 - Ø160/4,9, Ø 140 - 160 L6	---	---	---	---	---	---	---
Poloplast POLOKAL 3S Rohre Ø75/3,8 - Ø160/7,5, Ø 75 - 90 L4	---	---	---	---	---	---	---
Poloplast POLOKAL 3S Rohre Ø75/3,8 - Ø160/7,5, Ø 110 - 125 L5	---	---	---	---	---	---	---
Poloplast POLOKAL 3S Rohre Ø75/3,8 - Ø160/7,5, Ø 140 - 160 L6	---	---	---	---	---	---	---
Poloplast POLOKAL 3S Rohre Ø75/3,8 - Ø125/5,3, Ø 75 - 90 L4	---	---	---	---	---	---	---
Poloplast POLOKAL 3S Rohre Ø75/3,8 - Ø125/5,3, Ø 110 - 125 L5	---	---	---	---	---	---	---
Geberit Silent dB20 Rohre Ø56/3,2 - Ø160/7,0, Ø 16 - 63 L3	---	---	---	---	---	---	---
Geberit Silent dB20 Rohre Ø56/3,2 - Ø160/7,0, Ø 75 - 90 L4	---	---	---	---	---	---	---
Geberit Silent dB20 Rohre Ø56/3,2 - Ø160/7,0, Ø 110 - 125 L5	---	---	---	---	---	---	---
Geberit Silent dB20 Rohre Ø56/3,2 - Ø160/7,0, Ø 140 - 160 L6	---	---	---	---	---	---	---
Geberit Silent dB20 Rohre Ø56/3,2 - Ø110/6,0, Ø 16 - 63 L3	---	---	---	---	---	---	---
Geberit Silent dB20 Rohre Ø56/3,2 - Ø110/6,0, Ø 75 - 90 L4	---	---	---	---	---	---	---
Kelit KETRIX Rohre Ø20/2,8 - Ø160/14,6, Ø 20 - 63 L1	---	---	---	---	---	---	---
Kelit KETRIX Rohre Ø20/2,8 - Ø160/14,6, Ø 64 - 110 L2	---	---	---	---	---	---	---
Kelit KETRIX Rohre Ø20/2,8 - Ø160/14,6, Ø 111 - 125 L3	---	---	---	---	---	---	---
Kelit KETRIX Rohre Ø20/2,8 - Ø160/14,6, Ø 126 - 160 L4	---	---	---	---	---	---	---
PE-X Rohre Ø16/2,2 - Ø63/8,6, Ø 16 - 63 L1	---	---	---	---	---	---	---
Tuyaux en plastique avec isolation combustible avec PROMASTOP®-W → tableau 10, page 18							
PP-H, PP-R Rohre Ø20, d6 - Ø110 d32,0, RF2 cr, Ø 20 - 63 L1	---	---	---	---	---	---	---
PP-H, PP-R Rohre Ø20, d6 - Ø110 d32,0, RF2 cr, Ø 64 - 110 L2	---	---	---	---	---	---	---
PP-H, PP-R Rohre Ø20, d4 - Ø32 d13,0, RF3 cr, Ø 20 - 63 L1	---	---	---	---	---	---	---
Kelit KETRIX Rohre Ø20, d6,0 - Ø160, d32,0, RF2 cr, Ø 20 - 63 L1	---	---	---	---	---	---	---
Kelit KETRIX Rohre Ø20, d6,0 - Ø160, d32,0, RF2 cr, Ø 64 - 110 L2	---	---	---	---	---	---	---
Kelit KETRIX Rohre Ø20, d6,0 - Ø160, d32,0, RF2 cr, Ø 111 - 125 L3	---	---	---	---	---	---	---
Kelit KETRIX Rohre Ø20, d6,0 - Ø160, d32,0, RF2 cr, Ø 126 - 160 L4	---	---	---	---	---	---	---
PE-X Rohre Ø16, d6,0 - Ø63, d32,0, RF2 cr, Ø 16 - 63 L1	---	---	---	---	---	---	---
PE-X Rohre Ø16, d6,0 - Ø63, d32,0, RF3 cr, Ø 16 - 63 L1	---	---	---	---	---	---	---
Tuyaux composites en aluminium avec isolation combustible avec PROMASTOP®-W → tableau 11, page 20							
Geberit MePla Rohre Ø16, d6,0 - Ø75 d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Geberit MePla Rohre Ø16, d4,0 - Ø75 d13,0, RF3 cr, L1	---	---	---	---	---	---	---
Geberit PushFit Rohre Ø16, d6,0 - Ø25 d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Pipelife Radopress Rohre Ø16, d6,0 - Ø63 d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Pipelife Radopress Rohre Ø16, d4,0 - Ø32 d9,0, RF3 cr, L1	---	---	---	---	---	---	---
Rehau Rautitan stabil Rohre Ø16,2, d6,0 - Ø40 d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Rehau Rautitan stabil Rohre Ø16,2, d4,0 - Ø25 d13,0, RF3 cr, L1	---	---	---	---	---	---	---
Viega Raxofix / Sanfix Rohre Ø16, d6,0 - Ø63 d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Viega Raxofix / Sanfix Rohre Ø20, d6,0 - Ø65 d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Viega Raxinox Rohre Ø16, d4,0 - Ø20 d25,0, RF3 cr, L1	---	---	---	---	---	---	---
Uponor MLC pipe Rohre Ø14, d6,0 - Ø75 d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Uponor MLC pipe Rohre Ø16, d4,0 - Ø25 d13,0, RF3 cr, L1	---	---	---	---	---	---	---
Uponor UNI pipe Rohre Ø16, d6,0 - Ø32 d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Uponor UNI pipe Rohre Ø16, d4,0 - Ø25 d10,0, RF3 cr, L1	---	---	---	---	---	---	---
Kelit KELOX Rohre Ø14, d6,0 - Ø75, d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Kelit KELOX Rohre Ø14, d4,0 - Ø32, d13,0, RF3 cr, L1	---	---	---	---	---	---	---
Kelit HIT K06 Rohre Ø20, d6,0 - Ø63, d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Kelit HIT K06 Rohre Ø63, d32,0 - Ø90, d32,0, RF2 cr, L2	---	---	---	---	---	---	---
Kelit HIT K06 Rohre Ø20, d6,0 - Ø90, d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Kelit KETRIX Tri01 Rohre Ø20, d6,0 - Ø63, d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Kelit KETRIX Tri01 Rohre Ø63, d32,0 - Ø90, d32,0, RF2 cr, L2	---	---	---	---	---	---	---
Kelit KETRIX Tri01 Rohre Ø20, d6,0 - Ø90, d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Canalisation électrique → tableau 18, page 26							
Canalis KTA 800A - 4000A mit PROMASTOP-CC	EI60	EI60	---	---	---	EI60	---



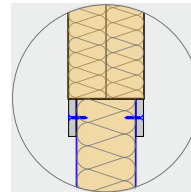
MBW
mur massif
≥ 100 mm



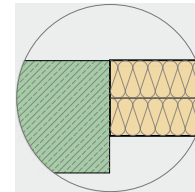
LBW
cloison légère
≥ 100 mm



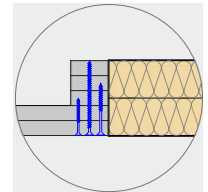
gaine technique
≥ 2 x 20 mm



Panneau sandwich
1: Pflaum ≥ 80mm
2: Bruch ≥ 80mm



MD
plafond massif
≥ 150 mm

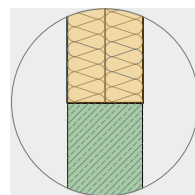
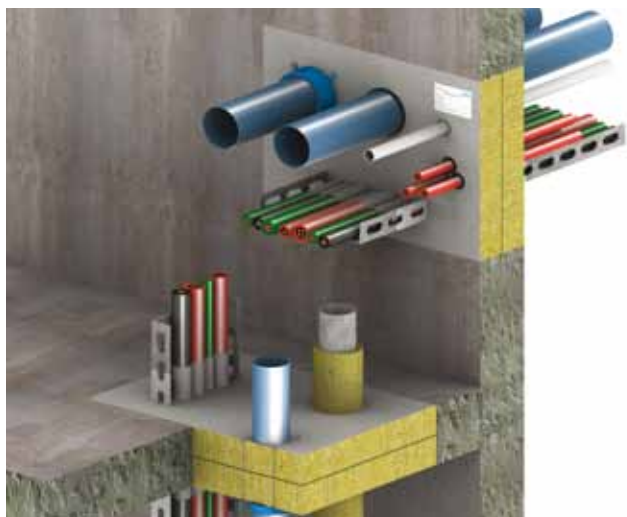


LBD
plafond suspendu
≥ 2 x 20 mm

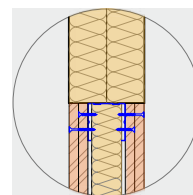
Situation - obturation à un seul panneau PROMASTOP®-CC 1 x 80 mm	MBW	LBW	gaine technique	sandwich 1	sandwich 2	MD	LBD
Résistance au feu - obturation vide	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Dimensions maximale	3,00m ²	3,00m ²	0,60m ²	2,60m ²	0,16m ²	3,00m ²	0,72m ²
Câble avec PROMASTOP®-CC → tableau 4, page 6							
KG1: tous les câbles sous gaine Ø ≤ 21 mm	EI90	EI90	EI90	EI90	EI90	EI90	EI90
KG2: tous les types de câbles sous gaine 21 ≤ Ø ≤ 50 mm	EI60	EI60	EI60	EI60	EI60	EI90	EI90
KG3: tous les types de câbles sous gaine 50 ≤ Ø ≤ 80 mm	EI60	EI60	EI60	EI60	EI60	EI90	EI90
KG4: Faisceau de câbles composé de câbles KG1 Ø ≤ 100 mm	EI90	EI90	EI90	EI90	EI90	EI90	EI90
KG5: tous les câbles non gainés Ø ≤ 24 mm	EI60	EI60	EI60	EI60	EI60	EI60	EI60
KG6: Tuyau/tuyau vide - acier, cuivre, plastique, U/C, Ø ≤ 16 mm	EI60	EI60	EI60	EI60	EI60	EI60	EI60
Câble avec PROMASTOP®-IM CJ21 → tableau 5, page 7							
KG1: tous les câbles sous gaine Ø ≤ 21 mm	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Tuyaux non combustibles, isolation non combustible avec PROMASTOP®-CC → tableau 14 - 17, page 23 - 24							
Tuyaux en acier Ø ≤ 114 mm, s ≤ 14,2 mm	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Tuyaux en acier Ø ≤ 220 mm, s ≤ 14,2 mm	---	---	---	---	---	---	---
Tuyaux en cuivre Ø ≤ 88,9 mm, s ≤ 14,2 mm	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Tuyaux non combustibles avec isolation combustible avec PROMASTOP®-W → tableau 12 - 13, page 21							
Tuyaux en acier Ø15 mm, s 9,0 mm - Ø108 mm, s 32,0 mm, L1	---	---	---	---	---	---	---
Tuyaux en cuivre Ø15 mm, s 9,0 mm - Ø88,9 mm, s 32,0 mm, L1	---	---	---	---	---	---	---
Tuyaux en plastique (combustible) sans isolation avec PROMASTOP®-FC → tableau 7, page 9 - 13							
PE-HD, ABS, SAN, PVC Rohre Ø32, s 1,8 - Ø125, s 7,4, FC3	EI90	EI90	EI90	EI90	EI90	EI90	EI90
PE-HD, ABS, SAN, PVC Rohre Ø50, s 1,8 - Ø200, s 11,4, FC6	EI90	EI90	EI90	EI90	EI90	EI90	EI90
PP-H, PP-R Rohre Ø32, s 1,8 - Ø160, s 4,0, FC3	EI90	EI90	EI90	EI90	EI90	EI90	EI90
PP-H, PP-R Rohre Ø50, s 1,8 - Ø200, s 11,4, FC6	EI90	EI90	EI90	EI90	EI90	EI90	EI90
PVC-U, PVC-C Rohre Ø32, s 1,8 - Ø125, s 7,1, FC3	EI90	EI90	EI90	EI90	EI90	EI90	EI90
PVC-U, PVC-C Rohre Ø50, s 1,8 - Ø250, s 4,9, FC6	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Poloplast POLOKAL NG Rohre Ø32, s 1,8 - Ø160, s 4,9, FC3	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Poloplast POLOKAL NG Rohre Ø50, s 2,0 - Ø250, s 8,6, FC6	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Poloplast POLOKAL XS Rohre Ø32, s 1,8 - Ø110, s 3,4, FC3	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Poloplast POLOKAL XS Rohre Ø50, s 2,0 - Ø110, s 3,4, FC6	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Poloplast POLOKAL 3S Rohre Ø75, s 3,8 - Ø160, s 7,5, FC3	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Poloplast POLOKAL 3S Rohre Ø75, s 3,8 - Ø160, s 7,5, FC6	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Poloplast POLO ECO plus Premium 10 Ø110, s 3,9 - Ø250, s 8,5, FC6	---	---	---	---	---	---	---
Poloplast POLO ECO plus Prem. 10 Ø315, s 10,8 - Ø400, s 13,6, FC15	---	---	---	---	---	---	---
Pipelife Master 3 Rohre Ø32, s 1,8 - Ø125, s 3,5, FC3	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Pipelife Master 3 Rohre Ø50, s 1,8 - Ø160, s 4,4, FC6	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Geberit Silent dB20 Rohre Ø56, s 3,2 - Ø110, s 6,0, FC3	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Geberit Silent dB20 Rohre Ø56, s 3,2 - Ø160, s 7,0, FC6	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Geberit Silent PP Rohre Ø32, s 2,0 - Ø125, s 4,2, FC3	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Geberit Silent PP Rohre Ø32, s 2,0 - Ø160, s 5,2, FC6	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Rehau Baupiano plus Rohre Ø40, s 1,8 - Ø200, s 6,2, FC6	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Nicolli dBlue plus Rohre Ø50, s 1,8 - Ø125, s 3,9, FC3	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Girpi Friaphon Rohre Ø52, s 2,8 - Ø110, s 5,3, FC3	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Girpi Friaphon Rohre Ø52, s 2,8 - Ø160, s 6,3, FC3	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Girpi HTA-E Rohre Ø40, s 3,0 - Ø125, s 6,0, FC6	EI90	EI90	EI90	EI90	EI90	EI90	EI90
KeKelit Phonex AS Rohre Ø58, s 4,0 - Ø160, s 5,3, FC6	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Wavin AS Rohre Ø58, s 4,0 - Ø160, s 5,3, FC6	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Wavin SiTech+ Rohre Ø50, s 1,8 - Ø160, s 4,9, FC3	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Marley Silent Rohre Ø75, s 2,0 - Ø110, s 3,0, FC6	EI90	EI90	EI90	EI90	EI90	EI90	EI90

Suite

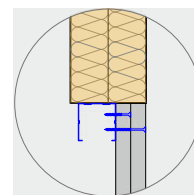
Situation - obturation à un seul panneau PROMASTOP®-CC 1 x 50 mm	MBW	LBW	gaine technique	sandwich 1	sandwich 2	MD	LBD
Tuyaux en plastique (combustible) sans isolation avec PROMASTOP®-W → tableau 9, page 17							
PE-HD, ABS, SAN, PVC Rohre Ø32/2,0 - Ø160/14,6, Ø 32 - 63 L1	---	---	---	---	---	---	---
PE-HD, ABS, SAN, PVC Rohre Ø32/2,0 - Ø160/14,6, Ø 64 - 110 L2	---	---	---	---	---	---	---
PE-HD, ABS, SAN, PVC Rohre Ø32/2,0 - Ø160/14,6, Ø 111 - 125 L3	---	---	---	---	---	---	---
PE-HD, ABS, SAN, PVC Rohre Ø32/2,0 - Ø160/14,6, Ø 126 - 160 L4	---	---	---	---	---	---	---
PP-H, PP-R Rohre Ø20/2,8 - Ø160/14,6, Ø 20 - 63 L1	---	---	---	---	---	---	---
PP-H, PP-R Rohre Ø20/2,8 - Ø160/14,6, Ø 64 - 110 L2	---	---	---	---	---	---	---
PP-H, PP-R Rohre Ø20/2,8 - Ø160/14,6, Ø 111 - 125 L3	---	---	---	---	---	---	---
PP-H, PP-R Rohre Ø20/2,8 - Ø160/14,6, Ø 126 - 160 L4	---	---	---	---	---	---	---
PP-H, PP-R Rohre Ø32/1,8 - Ø160/14,6, Ø 20 - 63 L1	---	---	---	---	---	---	---
PP-H, PP-R Rohre Ø32/1,8 - Ø160/14,6, Ø 64 - 110 L2	---	---	---	---	---	---	---
PP-H, PP-R Rohre Ø32/1,8 - Ø160/14,6, Ø 111 - 125 L3	---	---	---	---	---	---	---
PP-H, PP-R Rohre Ø32/1,8 - Ø160/14,6, Ø 126 - 160 L4	---	---	---	---	---	---	---
PVC-U, PVC-C Rohre Ø32/2,0 - Ø160/14,6, Ø 32 - 63 L1	---	---	---	---	---	---	---
PVC-U, PVC-C Rohre Ø32/2,0 - Ø160/14,6, Ø 75 - 110 L2	---	---	---	---	---	---	---
PVC-U, PVC-C Rohre Ø32/2,0 - Ø160/14,6, Ø 111 - 125 L3	---	---	---	---	---	---	---
PVC-U, PVC-C Rohre Ø32/2,0 - Ø160/14,6, Ø 140 - 160 L4	---	---	---	---	---	---	---
Poloplast POLOKAL NG Rohre Ø32/1,8 - Ø160/4,9, Ø 32 - 63 L3	---	---	---	---	---	---	---
Poloplast POLOKAL NG Rohre Ø32/1,8 - Ø160/4,9, Ø 75 - 90 L4	---	---	---	---	---	---	---
Poloplast POLOKAL NG Rohre Ø32/1,8 - Ø125/3,9, Ø 110 - 125 L5	---	---	---	---	---	---	---
Poloplast POLOKAL NG Rohre Ø32/1,8 - Ø125/3,9, Ø 140 - 160 L6	---	---	---	---	---	---	---
Poloplast POLOKAL XS Rohre Ø32/1,8 - Ø160/4,9, Ø 32 - 63 L3	---	---	---	---	---	---	---
Poloplast POLOKAL XS Rohre Ø32/1,8 - Ø160/4,9, Ø 75 - 90 L4	---	---	---	---	---	---	---
Poloplast POLOKAL XS Rohre Ø32/1,8 - Ø160/4,9, Ø 110 - 125 L5	---	---	---	---	---	---	---
Poloplast POLOKAL XS Rohre Ø32/1,8 - Ø160/4,9, Ø 140 - 160 L6	---	---	---	---	---	---	---
Poloplast POLOKAL 3S Rohre Ø75/3,8 - Ø160/7,5, Ø 75 - 90 L4	---	---	---	---	---	---	---
Poloplast POLOKAL 3S Rohre Ø75/3,8 - Ø160/7,5, Ø 110 - 125 L5	---	---	---	---	---	---	---
Poloplast POLOKAL 3S Rohre Ø75/3,8 - Ø160/7,5, Ø 140 - 160 L6	---	---	---	---	---	---	---
Poloplast POLOKAL 3S Rohre Ø75/3,8 - Ø125/5,3, Ø 75 - 90 L4	---	---	---	---	---	---	---
Poloplast POLOKAL 3S Rohre Ø75/3,8 - Ø125/5,3, Ø 110 - 125 L5	---	---	---	---	---	---	---
Geberit Silent dB20 Rohre Ø56/3,2 - Ø160/7,0, Ø 16 - 63 L3	---	---	---	---	---	---	---
Geberit Silent dB20 Rohre Ø56/3,2 - Ø160/7,0, Ø 75 - 90 L4	---	---	---	---	---	---	---
Geberit Silent dB20 Rohre Ø56/3,2 - Ø160/7,0, Ø 110 - 125 L5	---	---	---	---	---	---	---
Geberit Silent dB20 Rohre Ø56/3,2 - Ø160/7,0, Ø 140 - 160 L6	---	---	---	---	---	---	---
Geberit Silent dB20 Rohre Ø56/3,2 - Ø110/6,0, Ø 16 - 63 L3	---	---	---	---	---	---	---
Geberit Silent dB20 Rohre Ø56/3,2 - Ø110/6,0, Ø 75 - 90 L4	---	---	---	---	---	---	---
Kelit KETRIX Rohre Ø20/2,8 - Ø160/14,6, Ø 20 - 63 L1	---	---	---	---	---	---	---
Kelit KETRIX Rohre Ø20/2,8 - Ø160/14,6, Ø 64 - 110 L2	---	---	---	---	---	---	---
Kelit KETRIX Rohre Ø20/2,8 - Ø160/14,6, Ø 111 - 125 L3	---	---	---	---	---	---	---
Kelit KETRIX Rohre Ø20/2,8 - Ø160/14,6, Ø 126 - 160 L4	---	---	---	---	---	---	---
PE-X Rohre Ø16/2,2 - Ø63/8,6, Ø 16 - 63 L1	---	---	---	---	---	---	---
Tuyaux en plastique avec isolation combustible avec PROMASTOP®-W → tableau 10, page 18							
PP-H, PP-R Rohre Ø20, d6 - Ø110 d32,0, RF2 cr, Ø 20 - 63 L1	---	---	---	---	---	---	---
PP-H, PP-R Rohre Ø20, d6 - Ø110 d32,0, RF2 cr, Ø 64 - 110 L2	---	---	---	---	---	---	---
PP-H, PP-R Rohre Ø20, d4 - Ø32 d13,0, RF3 cr, Ø 20 - 63 L1	---	---	---	---	---	---	---
Kelit KETRIX Rohre Ø20, d6,0 - Ø160, d32,0, RF2 cr, Ø 20 - 63 L1	---	---	---	---	---	---	---
Kelit KETRIX Rohre Ø20, d6,0 - Ø160, d32,0, RF2 cr, Ø 64 - 110 L2	---	---	---	---	---	---	---
Kelit KETRIX Rohre Ø20, d6,0 - Ø160, d32,0, RF2 cr, Ø 111 - 125 L3	---	---	---	---	---	---	---
Kelit KETRIX Rohre Ø20, d6,0 - Ø160, d32,0, RF2 cr, Ø 126 - 160 L4	---	---	---	---	---	---	---
PE-X Rohre Ø16, d6,0 - Ø63, d32,0, RF2 cr, Ø 16 - 63 L1	---	---	---	---	---	---	---
PE-X Rohre Ø16, d6,0 - Ø63, d32,0, RF3 cr, Ø 16 - 63 L1	---	---	---	---	---	---	---
Tuyaux composites en aluminium avec isolation combustible avec PROMASTOP®-W → tableau 11, page 20							
Geberit MePla Rohre Ø16, d6,0 - Ø75 d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Geberit MePla Rohre Ø16, d4,0 - Ø75 d13,0, RF3 cr, L1	---	---	---	---	---	---	---
Geberit PushFit Rohre Ø16, d6,0 - Ø25 d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Pipelife Radopress Rohre Ø16, d6,0 - Ø63 d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Pipelife Radopress Rohre Ø16, d4,0 - Ø32 d9,0, RF3 cr, L1	---	---	---	---	---	---	---
Rehau Rautitan stabil Rohre Ø16,2, d6,0 - Ø40 d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Rehau Rautitan stabil Rohre Ø16,2, d4,0 - Ø25 d13,0, RF3 cr, L1	---	---	---	---	---	---	---
Viega Raxofix / Sanfix Rohre Ø16, d6,0 - Ø63 d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Viega Raxofix / Sanfix Rohre Ø20, d6,0 - Ø65 d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Viega Raxinox Rohre Ø16, d4,0 - Ø20 d25,0, RF3 cr, L1	---	---	---	---	---	---	---
Uponor MLC pipe Rohre Ø14, d6,0 - Ø75 d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Uponor MLC pipe Rohre Ø16, d4,0 - Ø25 d13,0, RF3 cr, L1	---	---	---	---	---	---	---
Uponor UNI pipe Rohre Ø16, d6,0 - Ø32 d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Uponor UNI pipe Rohre Ø16, d4,0 - Ø25 d10,0, RF3 cr, L1	---	---	---	---	---	---	---
Kelit KELOX Rohre Ø14, d6,0 - Ø75, d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Kelit KELOX Rohre Ø14, d4,0 - Ø32, d13,0, RF3 cr, L1	---	---	---	---	---	---	---
Kelit HIT K06 Rohre Ø20, d6,0 - Ø63, d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Kelit HIT K06 Rohre Ø63, d32,0 - Ø90, d32,0, RF2 cr, L2	---	---	---	---	---	---	---
Kelit HIT K06 Rohre Ø20, d6,0 - Ø90, d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Kelit KETRIX Tri01 Rohre Ø20, d6,0 - Ø63, d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Kelit KETRIX Tri01 Rohre Ø63, d32,0 - Ø90, d32,0, RF2 cr, L2	---	---	---	---	---	---	---
Kelit KETRIX Tri01 Rohre Ø20, d6,0 - Ø90, d32,0, RF2 cr, L1	---	---	---	---	---	---	---
Canalisation électrique → tableau 18, page 26							
Canalis KTA 800A - 4000A mit PROMASTOP-CC	EI120	EI120	EI90	EI120	EI90	EI90	EI90



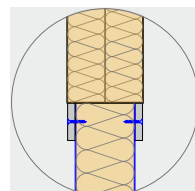
MBW
mur massif
≥ 100 mm



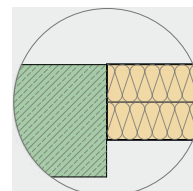
LBW
cloison légère
≥ 100 mm



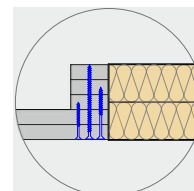
gaine technique
≥ 2 x 20 mm



Panneau sandwich
1: Pflaum ≥ 80mm
2: Bruch ≥ 80mm



MD
plafond massif
≥ 150 mm



LBD
plafond suspendu
≥ 2 x 20 mm

Situation - obturation à deux panneau PROMASTOP®-CC 2 x 50 mm	MBW	LBW	gaine technique	sandwich 1	sandwich 2	MD	LBD
Résistance au feu - obturation vide	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Dimensions maximale	3,75m ²	3,75m ²	0,60m ²	2,60m ²	0,16m ²	3,75m ²	0,72m ²
Câble avec PROMASTOP®-CC → tableau 4, page 6							
KG1: tous les câbles sous gaine Ø ≤ 21 mm	EI120	EI120	EI90	EI120	EI90	EI120	EI90
KG2: tous les types de câbles sous gaine 21 ≤ Ø ≤ 50 mm	EI90	EI90	EI90	EI90	EI90	EI90	EI90
KG3: tous les types de câbles sous gaine 50 ≤ Ø ≤ 80 mm	EI90	EI90	EI90	EI90	EI90	EI90	EI90
KG4: Faisceau de câbles composé de câbles KG1 Ø ≤ 100 mm	EI120	EI120	EI120	EI120	EI120	EI120	EI120
KG5: tous les câbles non gainés Ø ≤ 24 mm	EI90	EI90	EI90	EI90	EI90	EI90	EI90
KG6: Tuyau/tuyau vide - acier, cuivre, plastique, U/C, Ø ≤ 16 mm	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Câble avec PROMASTOP®-IM CJ21 → tableau 5, page 7							
KG1: tous les câbles sous gaine Ø ≤ 21 mm	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Tuyaux non combustibles, isolation non combustible avec PROMASTOP®-CC → tableau 14 - 17, page 23 - 24							
Tuyaux en acier Ø ≤ 114 mm, s ≤ 14,2 mm	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Tuyaux en acier Ø ≤ 220 mm, s ≤ 14,2 mm	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Tuyaux en cuivre Ø ≤ 88,9 mm, s ≤ 14,2 mm	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Tuyaux non combustibles avec isolation combustible avec PROMASTOP®-W → tableau 12 - 13, page 21							
Tuyaux en acier Ø15 mm, s 9,0 mm - Ø108 mm, s 32,0 mm, L1	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Tuyaux en cuivre Ø15 mm, s 9,0 mm - Ø88,9 mm, s 32,0 mm, L1	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Tuyaux en plastique (combustible) sans isolation avec PROMASTOP®-FC → tableau 7, page 9 - 13							
PE-HD, ABS, SAN, PVC Rohre Ø32, s 1,8 - Ø125, s7,4, FC3	EI120	EI120	EI90	EI120	EI90	EI120	EI90
PE-HD, ABS, SAN, PVC Rohre Ø50, s 1,8 - Ø200, s11,4, FC6	EI120	EI120	EI90	EI120	EI90	EI120	EI90
PP-H, PP-R Rohre Ø32, s 1,8 - Ø160, s4,0, FC3	EI120	EI120	EI90	EI120	EI90	EI120	EI90
PP-H, PP-R Rohre Ø50, s 1,8 - Ø200, s11,4, FC6	EI120	EI120	EI90	EI120	EI90	EI120	EI90
PVC-U, PVC-C Rohre Ø32, s 1,8 - Ø125, s7,1, FC3	EI120	EI120	EI90	EI120	EI90	EI120	EI90
PVC-U, PVC-C Rohre Ø50, s 1,8 - Ø250, s4,9, FC6	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Poloplast POLOKAL NG Rohre Ø32, s 1,8 - Ø160, s4,9, FC3	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Poloplast POLOKAL NG Rohre Ø50, s 2,0 - Ø250, s8,6, FC6	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Poloplast POLOKAL XS Rohre Ø32, s 1,8 - Ø110, s3,4, FC3	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Poloplast POLOKAL XS Rohre Ø50, s 2,0 - Ø110, s3,4, FC6	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Poloplast POLOKAL 3S Rohre Ø75, s 3,8 - Ø160, s7,5, FC3	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Poloplast POLOKAL 3S Rohre Ø75, s 3,8 - Ø160, s7,5, FC6	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Poloplast POLO ECO plus Premium 10 Ø110, s 3,9 - Ø250, s8,5, FC6	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Poloplast POLO ECO plus Prem. 10 Ø315, s 10,8 - Ø400, s13,6, FC15	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Pipelife Master 3 Rohre Ø32, s 1,8 - Ø125, s3,5, FC3	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Pipelife Master 3 Rohre Ø50, s 1,8 - Ø160, s4,4, FC6	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Geberit Silent dB20 Rohre Ø56, s 3,2 - Ø110, s6,0, FC3	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Geberit Silent dB20 Rohre Ø56, s 3,2 - Ø160, s7,0, FC6	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Geberit Silent PP Rohre Ø32, s 2,0 - Ø125, s4,2, FC3	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Geberit Silent PP Rohre Ø32, s 2,0 - Ø160, s5,2, FC6	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Rehau Baupiano plus Rohre Ø40, s 1,8 - Ø200, s6,2, FC6	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Nicoll dBlue plus Rohre Ø50, s 1,8 - Ø125, s3,9, FC3	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Girpi Friaphon Rohre Ø52, s 2,8 - Ø110, s5,3, FC3	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Girpi Friaphon Rohre Ø52, s 2,8 - Ø160, s6,3, FC3	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Girpi HTA-E Rohre Ø40, s 3,0 - Ø125, s6,0, FC6	EI120	EI120	EI90	EI120	EI90	EI120	EI90
KeKelit Phonex AS Rohre Ø58, s 4,0 - Ø160, s5,3, FC6	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Wavin AS Rohre Ø58, s 4,0 - Ø160, s5,3, FC6	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Wavin SiTech+ Rohre Ø50, s 1,8 - Ø160, s4,9, FC3	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Marley Silent Rohre Ø75, s 2,0 - Ø110, s3,0, FC6	EI120	EI120	EI90	EI120	EI90	EI120	EI90

Suite

Situation - obturation à deux panneau PROMASTOP®-CC 2 x 50 mm	MBW	LBW	gaine technique	sandwich 1	sandwich 2	MD	LBD
Tuyaux en plastique (combustible) sans isolation avec PROMASTOP®-W → tableau 9, page 17							
PE-HD, ABS, SAN, PVC Rohre Ø32/2,0 - Ø160/14,6, Ø 32 - 63 L1	EI120	EI120	EI90	EI120	EI90	EI120	EI90
PE-HD, ABS, SAN, PVC Rohre Ø32/2,0 - Ø160/14,6, Ø 64 - 110 L2	EI120	EI120	EI90	EI120	EI90	EI120	EI90
PE-HD, ABS, SAN, PVC Rohre Ø32/2,0 - Ø160/14,6, Ø 111 - 125 L3	EI120	EI120	EI90	EI120	EI90	EI120	EI90
PE-HD, ABS, SAN, PVC Rohre Ø32/2,0 - Ø160/14,6, Ø 126 - 160 L4	EI120	EI120	EI90	EI120	EI90	EI120	EI90
PP-H, PP-R Rohre Ø20/2,8 - Ø160/14,6, Ø 20 - 63 L1	EI90	EI90	EI90	EI90	EI90	EI90	EI90
PP-H, PP-R Rohre Ø20/2,8 - Ø160/14,6, Ø 64 - 110 L2	EI90	EI90	EI90	EI90	EI90	EI90	EI90
PP-H, PP-R Rohre Ø20/2,8 - Ø160/14,6, Ø 111 - 125 L3	EI90	EI90	EI90	EI90	EI90	EI90	EI90
PP-H, PP-R Rohre Ø20/2,8 - Ø160/14,6, Ø 126 - 160 L4	EI90	EI90	EI90	EI90	EI90	EI90	EI90
PP-H, PP-R Rohre Ø32/1,8 - Ø160/14,6, Ø 20 - 63 L1	EI120	EI120	EI90	EI120	EI90	EI120	EI90
PP-H, PP-R Rohre Ø32/1,8 - Ø160/14,6, Ø 64 - 110 L2	EI120	EI120	EI90	EI120	EI90	EI120	EI90
PP-H, PP-R Rohre Ø32/1,8 - Ø160/14,6, Ø 111 - 125 L3	EI120	EI120	EI90	EI120	EI90	EI120	EI90
PP-H, PP-R Rohre Ø32/1,8 - Ø160/14,6, Ø 126 - 160 L4	EI120	EI120	EI90	EI120	EI90	EI120	EI90
PVC-U, PVC-C Rohre Ø32/2,0 - Ø160/14,6, Ø 32 - 63 L1	EI120	EI120	EI90	EI120	EI90	EI120	EI90
PVC-U, PVC-C Rohre Ø32/2,0 - Ø160/14,6, Ø 75 - 110 L2	EI120	EI120	EI90	EI120	EI90	EI120	EI90
PVC-U, PVC-C Rohre Ø32/2,0 - Ø160/14,6, Ø 111 - 125 L3	EI120	EI120	EI90	EI120	EI90	EI120	EI90
PVC-U, PVC-C Rohre Ø32/2,0 - Ø160/14,6, Ø 140 - 160 L4	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Poloplast POLOKAL NG Rohre Ø32/1,8 - Ø160/4,9, Ø 32 - 63 L3	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Poloplast POLOKAL NG Rohre Ø32/1,8 - Ø160/4,9, Ø 75 - 90 L4	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Poloplast POLOKAL NG Rohre Ø32/1,8 - Ø125/3,9, Ø 110 - 125 L5	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Poloplast POLOKAL NG Rohre Ø32/1,8 - Ø125/3,9, Ø 140 - 160 L6	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Poloplast POLOKAL XS Rohre Ø32/1,8 - Ø160/4,9, Ø 32 - 63 L3	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Poloplast POLOKAL XS Rohre Ø32/1,8 - Ø160/4,9, Ø 75 - 90 L4	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Poloplast POLOKAL XS Rohre Ø32/1,8 - Ø160/4,9, Ø 110 - 125 L5	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Poloplast POLOKAL XS Rohre Ø32/1,8 - Ø160/4,9, Ø 140 - 160 L6	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Poloplast POLOKAL 3S Rohre Ø75/3,8 - Ø160/7,5, Ø 75 - 90 L4	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Poloplast POLOKAL 3S Rohre Ø75/3,8 - Ø160/7,5, Ø 110 - 125 L5	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Poloplast POLOKAL 3S Rohre Ø75/3,8 - Ø160/7,5, Ø 140 - 160 L6	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Poloplast POLOKAL 3S Rohre Ø75/3,8 - Ø125/5,3, Ø 75 - 90 L4	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Poloplast POLOKAL 3S Rohre Ø75/3,8 - Ø125/5,3, Ø 110 - 125 L5	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Geberit Silent dB20 Rohre Ø56/3,2 - Ø160/7,0, Ø 16 - 63 L3	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Geberit Silent dB20 Rohre Ø56/3,2 - Ø160/7,0, Ø 75 - 90 L4	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Geberit Silent dB20 Rohre Ø56/3,2 - Ø160/7,0, Ø 110 - 125 L5	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Geberit Silent dB20 Rohre Ø56/3,2 - Ø160/7,0, Ø 140 - 160 L6	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Geberit Silent dB20 Rohre Ø56/3,2 - Ø110/6,0, Ø 16 - 63 L3	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Geberit Silent dB20 Rohre Ø56/3,2 - Ø110/6,0, Ø 75 - 90 L4	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Kelit KETRIX Rohre Ø20/2,8 - Ø160/14,6, Ø 20 - 63 L1	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Kelit KETRIX Rohre Ø20/2,8 - Ø160/14,6, Ø 64 - 110 L2	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Kelit KETRIX Rohre Ø20/2,8 - Ø160/14,6, Ø 111 - 125 L3	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Kelit KETRIX Rohre Ø20/2,8 - Ø160/14,6, Ø 126 - 160 L4	EI90	EI90	EI90	EI90	EI90	EI90	EI90
PE-X Rohre Ø16/2,2 - Ø63/8,6, Ø 16 - 63 L1	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Tuyaux en plastique avec isolation combustible avec PROMASTOP®-W → tableau 10, page 18							
PP-H, PP-R Rohre Ø20, d6 - Ø110 d32,0, RF2 cr, Ø 20 - 63 L1	EI90	EI90	EI90	EI90	EI90	EI90	EI90
PP-H, PP-R Rohre Ø20, d6 - Ø110 d32,0, RF2 cr, Ø 64 - 110 L2	EI90	EI90	EI90	EI90	EI90	EI90	EI90
PP-H, PP-R Rohre Ø20, d4 - Ø32 d13,0, RF3 cr, Ø 20 - 63 L1	EI90	EI90	EI90	EI90	EI90	EI120	EI90
Kelit KETRIX Rohre Ø20, d6,0 - Ø160, d32,0, RF2 cr, Ø 20 - 63 L1	EI90	EI90	EI90	EI90	EI90	EI120	EI90
Kelit KETRIX Rohre Ø20, d6,0 - Ø160, d32,0, RF2 cr, Ø 64 - 110 L2	EI90	EI90	EI90	EI90	EI90	EI120	EI90
Kelit KETRIX Rohre Ø20, d6,0 - Ø160, d32,0, RF2 cr, Ø 111 - 125 L3	EI90	EI90	EI90	EI90	EI90	EI120	EI90
Kelit KETRIX Rohre Ø20, d6,0 - Ø160, d32,0, RF2 cr, Ø 126 - 160 L4	EI90	EI90	EI90	EI90	EI90	EI120	EI90
PE-X Rohre Ø16, d6,0 - Ø63, d32,0, RF2 cr, Ø 16 - 63 L1	EI120	EI120	EI90	EI120	EI90	EI90	EI90
PE-X Rohre Ø16, d6,0 - Ø63, d32,0, RF3 cr, Ø 16 - 63 L1	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Tuyaux composites en aluminium avec isolation combustible avec PROMASTOP®-W → tableau 11, page 20							
Geberit MePla Rohre Ø16, d6,0 - Ø75 d32,0, RF2 cr, L1	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Geberit MePla Rohre Ø16, d4,0 - Ø75 d13,0, RF3 cr, L1	EI90	EI90	EI90	EI90	EI90	EI120	EI90
Geberit PushFit Rohre Ø16, d6,0 - Ø25 d32,0, RF2 cr, L1	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Pipelife Radopress Rohre Ø16, d6,0 - Ø63 d32,0, RF2 cr, L1	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Pipelife Radopress Rohre Ø16, d4,0 - Ø32 d9,0, RF3 cr, L1	EI120	EI120	EI90	EI120	EI90	EI120	EI90
Rehau Rautitan stabil Rohre Ø16,2, d6,0 - Ø40 d32,0, RF2 cr, L1	EI120	EI120	EI90	EI120	EI90	EI90	EI90
Rehau Rautitan stabil Rohre Ø16,2, d4,0 - Ø25 d13,0, RF3 cr, L1	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Viega Raxofix / Sanfix Rohre Ø16, d6,0 - Ø63 d32,0, RF2 cr, L1	EI120	EI120	EI90	EI120	EI90	---	---
Viega Raxofix / Sanfix Rohre Ø20, d6,0 - Ø65 d32,0, RF2 cr, L1	---	---	---	---	---	EI90	EI90
Viega Raxinox Rohre Ø16, d4,0 - Ø20 d25,0, RF3 cr, L1	---	---	---	---	---	EI120	EI90
Uponor MLC pipe Rohre Ø14, d6,0 - Ø75 d32,0, RF2 cr, L1	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Uponor MLC pipe Rohre Ø16, d4,0 - Ø25 d13,0, RF3 cr, L1	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Uponor UNI pipe Rohre Ø16, d6,0 - Ø32 d32,0, RF2 cr, L1	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Uponor UNI pipe Rohre Ø16, d4,0 - Ø25 d10,0, RF3 cr, L1	EI90	EI90	EI90	EI90	EI90	EI120	EI90
Kelit KELOX Rohre Ø14, d6,0 - Ø75, d32,0, RF2 cr, L1	EI90	EI90	EI90	EI90	EI90	EI90	EI90
Kelit KELOX Rohre Ø14, d4,0 - Ø32, d13,0, RF3 cr, L1	EI90	EI90	EI90	EI90	EI90	EI120	EI90
Kelit HIT K06 Rohre Ø20, d6,0 - Ø63, d32,0, RF2 cr, L1	EI90	EI90	EI90	EI90	EI90	---	---
Kelit HIT K06 Rohre Ø63, d32,0 - Ø90, d32,0, RF2 cr, L2	EI90	EI90	EI90	EI90	EI90	---	---
Kelit HIT K06 Rohre Ø20, d6,0 - Ø90, d32,0, RF2 cr, L1	---	---	---	---	---	EI90	EI90
Kelit KETRIX Tri01 Rohre Ø20, d6,0 - Ø63, d32,0, RF2 cr, L1	EI90	EI90	EI90	EI90	EI90	---	---
Kelit KETRIX Tri01 Rohre Ø63, d32,0 - Ø90, d32,0, RF2 cr, L2	EI90	EI90	EI90	EI90	EI90	---	---
Kelit KETRIX Tri01 Rohre Ø20, d6,0 - Ø90, d32,0, RF2 cr, L1	---	---	---	---	---	EI120	EI90
Canalisation électrique → tableau 18, page 26							
Canalis KTA 800A - 4000A avec PROMASTOP-CC	EI120	EI120	EI90	EI120	EI90	EI90	EI90

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