

Selection aid BSS Insulation systems

	PYROMIX® mortar insulation	PYROPLATE® soft insulation	PYROSIT® NG fire protection foam	PYROBAG® cushion insulation	PYROPLUG® Block foam block	PYROPLUG® Peg foam plug	PYROPLUG® Box insulation	
Installation locations	Solid walls 	1000 × 2000 mm 2000 × 1000 mm Ø 1000 mm min. 100 mm 30: 150 mm 60: 150 mm 90: 150 mm	2000 × 1200 mm 1200 × 2000 mm Ø 1200 mm min. 100 mm 30: 100 mm 60: 100 mm 90: 100 mm	450 × 500 mm Ø 300 mm min. 100 mm 30: 144 mm 60: 144 mm 90: 200 mm 120: 250 mm	1000 × 1500 mm min. 100 mm 30: 350 mm 60: 350 mm 90: 350 mm	1000 × 600 mm 600 × 1000 mm min. 100 mm 30: 144 mm 60: 144 mm 90: 200 mm 120: 200 mm	Ø 250 mm min. 100 mm 30: 120 mm 60: 120 mm 90: 150 mm 120: 170 mm	500 × 500 mm groups min. 100 mm 30: 120 mm 60: 120 mm 90: 200 mm
	Solid ceilings 	1000 mm wide length ∞ Ø 500 mm min. 150 mm 30: 150 mm 60: 150 mm 90: 150 mm	1250 mm wide length ∞ Ø 500 mm min. 150 mm 30: 150 mm 60: 150 mm 90: 150 mm	450 × 450 mm Ø 300 mm min. 150 mm 30: 144 mm 60: 144 mm 90: 200 mm 120: 250 mm	600 mm wide length ∞ min. 150 mm 30: 350 mm 60: 350 mm 90: 350 mm	700 mm wide length ∞ min. 150 mm 30: 200 mm 60: 200 mm 90: 200 mm 120: 200 mm	Ø 250 mm min. 150 mm 30: 120 mm 60: 120 mm 90: 150 mm 120: 170 mm	500 × 500 mm groups min. 150 mm 30: 120 mm 60: 120 mm 90: 200 mm
	Lightweight partitions 		1200 × 2000 mm 2000 × 1200 mm Ø 500 mm min. 100 mm 30: 100 mm 60: 100 mm 90: 100 mm	450 × 500 mm Ø 300 mm min. 100 mm 30: 144 mm 60: 144 mm 90: 200 mm 120: 250 mm	1000 × 1000 mm min. 100 mm 30: 350 mm 60: 350 mm 90: 350 mm	840 × 570 mm 570 × 840 mm min. 100 mm 30: 144 mm 60: 144 mm 90: 200 mm 120: 200 mm	Ø 250 mm min. 100 mm 30: 120 mm 60: 120 mm 90: 150 mm 120: 170 mm	500 × 500 mm groups min. 100 mm 30: 120 mm 60: 120 mm 90: 200 mm
Installations	Cables 	all Ø	all Ø	Ø 80 mm	all Ø	Ø 80 mm	Ø 80 mm	all Ø
	Cable bundles 	Ø 100 mm Cable Ø 21 mm	Ø 100 mm Cable Ø 20 mm	Ø 100 mm Cable Ø 21 mm	Ø 150 mm Cable Ø 20 mm	Ø 100 mm Cable Ø 21 mm	Ø 100 mm Cable Ø 21 mm	„Ø 100 mm Cable Ø 21 mm“
	Plastic electrical instal. pipes, flexible or rigid 	M63 Cable Ø 22 mm	✗	M40	✗	M40	M16	M20
	Plastic electrical instal. pipes, flexible or rigid bundle 	✗	✗	Ø 80 mm	✗	Ø 80 mm	✗	✗
	Steel pipes 	M63 Cable Ø 22 mm	✗	M16	✗	M16	M16	✗
	Cable support systems 	all	all	all	all	all	all	✗
	Hollow shaft conductors 	RFS „HELIFLEX“ type HCA.....J	✗	✗	✗	✗	✗	✗
	Metal pipes with section insulation 	steel Ø 159 mm copper Ø 88,9 mm	steel Ø 159 mm copper Ø 88,9 mm	steel Ø 88,9 mm copper Ø 88,9 mm	✗	steel Ø 88,9 mm copper Ø 88,9 mm	✗	✗
	Plastic pipes 	Ø 200 mm	Ø 160 mm	Ø 50 mm	✗	Ø 50 mm	✗	✗
	Plastic ducts 	✗	✗	✗	210 × 100 mm	✗	✗	✗
	Metal ducts 	✗	✗	✗	210 × 80 mm	✗	✗	✗
	Screed-covered underfloor ducts 	✗	✗	350 × 50 mm	✗	350 × 50 mm	✗	✗
	Open underfloor ducts 	✗	✗	600 × 160 mm	✗	600 × 160 mm	✗	✗
Insulation in lining pipe 	✗	✗	Ø 300 mm	Ø 200 mm	✗	✗	✗	

max. dimension min. component strength fire resistance class in minutes; depending on insulation thickness

All specifications are taken from the valid fire protection approvals as at June 2016.

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	PYROPLUG® Shell drill crown insulation	PYROPLUG® Mini small insulation	PYROCOMB® pipe sleeves	PYROCOMB® Tubes electrical insulation	PYROCOMB® Intube pipe shells	PYROMIX® Screed small insulation	PYROLIQ® casting compound	
Installation locations	Solid walls 	Ø 80 mm min. 100 mm 30: 100 mm 60: 100 mm 90: 100 mm	Ø 80 mm min. 100 mm 30: 100 mm 60: 100 mm 90: 100 mm	Ø 400 mm min. 100 mm 30: 100 mm 60: 100 mm 90: 100 mm 120: 100 mm	Ø 125 mm min. 100 mm 30: 100 mm 60: 100 mm 90: 100 mm 120: 100 mm	1200 x 2000 mm groups min. 100 mm 30: 150 mm 60: 150 mm 90: 150 mm 120: 300 mm	100 x 100 mm Ø 100 mm min. 150 mm 30: 150 mm 60: 150 mm 90: 150 mm	Ship construction and offshore system Approved for all types of maritime cables with fire resistance class A60 to IMO resolution A.754(18) International approval of Germanischer Lloyd (GL) Hamburg (no approval for building construction)
	Solid ceilings 	Ø 80 mm min. 150 mm 30: 150 mm 60: 150 mm 90: 150 mm	Ø 80 mm min. 150 mm 30: 150 mm 60: 150 mm 90: 150 mm	Ø 400 mm min. 150 mm 30: 150 mm 60: 150 mm 90: 150 mm 120: 150 mm	Ø 125 mm min. 150 mm 30: 150 mm 60: 150 mm 90: 150 mm 120: 150 mm	640 mm wide length ∞ min. 150 mm 30: 150 mm 60: 150 mm 90: 300 mm 120: 300 mm	100 x 100 mm Ø 100 mm min. 150 mm 30: 150 mm 60: 150 mm 90: 150 mm	
	Lightweight partitions 	Ø 80 mm min. 100 mm 30: 100 mm 60: 100 mm 90: 100 mm	Ø 80 mm min. 100 mm 30: 100 mm 60: 100 mm 90: 100 mm	Ø 160 mm min. 100 mm 30: 100 mm 60: 100 mm 90: 100 mm 120: 100 mm	Ø 125 mm min. 100 mm 30: 100 mm 60: 100 mm 90: 100 mm 120: 100 mm	Ø 120 mm min. 100 mm 30: 150 mm 60: 150 mm 90: 150 mm 120: 300 mm		
Installations	Cables 	✓ all Ø	✓ Ø 18 mm	✗	✗	✓ Ø 80 mm	✓ all Ø	✓ all Ø
	Cable bundles 	✓ Ø 50 mm	✗	✗	✗	✓ Ø 107 mm Cable Ø 21 mm	✗	✗
	Plastic electrical instal. pipes, flexible or rigid 	✗	✗	✗	✓ M63 Cable Ø 21 mm	✓ M32 Cable Ø 21 mm	✗	✗
	Plastic electrical instal. pipes,flexi- ble or rigid bundle 	✗	✗	✗	✓ Ø 125 mm	✓ Ø 107 mm	✗	✗
	Steel pipes 	✗	✗	✗	✗	✗	✗	✗
	Cable support systems 	✗	✗	✗	✗	✗	✗	✗
	Hollow shaft conductors 	✗	✗	✗	✗	✗	✗	✗
	Metal pipes with section insulation 	✗	✗	✗	✗	✗	✗	✓ steel* Ø 200 mm copper* Ø 100 mm
	Plastic pipes 	✗	✗	✓ Ø 400 mm	✗	✓ 2 x Ø 20 mm	✗	✓ Ø 200 mm
	Plastic ducts 	✗	✗	✗	✗	✗	✗	✗
	Metal ducts 	✗	✗	✗	✗	✗	✗	✗
	Screed-covered underfloor ducts 	✗	✗	✗	✗	✗	✗	✗
	Open underfloor ducts 	✗	✗	✗	✗	✗	✗	✗
Insulation in lining pipe 	✗	✗	✗	✗	✗	✗	✗	

max. dimension min. component strength fire resistance class in minutes; depending on insulation thickness

*without section insulation