

Novasit BM Mortar allowed services

Service	Dimensions	Protective measure		Fire resistance class	
		Wall	Floor		
Cables					
Cables	$\varnothing \leq 32$ mm	Without protective measures		EI = 120	
	$\varnothing \leq 80$ mm	NBR-plus fire protection wrap 125 mm 2 x 2 layers, on both sides		EI = 120	
Cable bundles	$\varnothing \leq 60$ mm	Without protective measures		EI = 90	
	$\varnothing \leq 100/21$ mm	NBR-plus fire protection wrap 125 mm 2 x 2 layers, on both sides		EI = 120	
Coaxial cable					
RADIAFLEX® RLK RFS	$\varnothing \leq 48.2$ mm	Without protective measures		EI = 120	
CELLFLEX® LCF RFS	$\varnothing \leq 50.3$ mm				
HELIAX CommScope	$\varnothing \leq 51.1$ mm				
Electrical Installation conduits (EIC's)					
Plastic EICs (Single)	$\varnothing \leq 32$ mm	NBR-plus fire protection wrap 125 mm 2 x 1 layer, on both sides		EI = 120	
	$\varnothing \leq 63$ mm with/without cables $\varnothing \leq 21$ mm	NBR-plus fire protection wrap 125 mm 2 x 2 layers, on both sides		EI = 120	
Plastic EICs (Bundle)	$\varnothing \leq 100$ mm, consisting of individual EICs				
Non-combustable pipes with Mineral Wool insulation (with coating)					
Copper, steel, stainless steel, cast iron	$\varnothing \leq 54$ mm	1.0-14.2 mm	Stonewool pipeshell 500 x 25-100 mm, on both sides		EI = 120 U/C
	$\varnothing \leq 88.9$ mm	1.0-14.2 mm	Stonewool pipeshell 700 x 25-100 mm, on both sides		EI = 120 U/C
Steel, stainless steel, cast iron	$\varnothing \leq 114.3$ mm	1.0-14.2 mm	Stonewool pipeshell 500 x 25-100 mm, on both sides		EI = 120 U/C
	$\varnothing \leq 219,1$ mm	1.0-14.2 mm	Stonewool pipeshell 1000 x 25-100 mm, on both sides		EI = 120 U/C
Non-combustable pipes with Flexible Elastomeric Foam (FEF) insulation					
Copper, steel, stainless steel, cast iron	$\varnothing \leq 54$ mm	1.0-14.2 mm	NBR-plus fire protection wrap 125 mm 2 x 2 layers, on both sides	NBR-plus fire protection wrap 125 mm 1 x 2 layers, on lower side	EI = 120 U/C
	$\varnothing \leq 88.9$ mm	1.0-14.2 mm			
	$\varnothing \leq 108$ mm	1.0-14.2 mm			
Steel, stainless steel, cast iron	$\varnothing \leq 168.3$ mm	1.0-14.2 mm			EI = 120 U/C
HVAC Split Lines					
Double copper pipe (\varnothing 18/18 mm) pre-insulated with PEF (9 mm) + PVC pipe (\varnothing 25 mm) + max. 3 accompanying cables (\varnothing 14 mm)		NBR-plus fire protection wrap 125 mm 1x two layers		EI = 120 U/C	

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Service	Dimensions	Pipe thickness	Protective measure		Fire resistance class
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Combustable pipes with/without PE acoustic insulation tube					
Standard pipes PVC-U, PVC-C, PE-HD, ABS, SAN+PVC PP-H Special pipes Geberit, Poloplast, Rehau, Wavin	Ø 50-160 mm	1,8 - 15,2	AWM II fire protection collar, on both sides	AWM II fire protection collar, on lower side	EI = 120 U/U
			IWM III fire protection wrap Width 50 mm, on both sides Ø ≤ 50 mm 2 layers Ø ≤ 75 mm 3 layers Ø ≤ 110 mm 4 layers Ø ≤ 135 mm 5 layers Ø ≤ 160 mm 6 layers	IWM III fire protection wrap Width 50 mm, on lower side Ø ≤ 50 mm 2 layers Ø ≤ 75 mm 3 layers Ø ≤ 110 mm 4 layers Ø ≤ 135 mm 5 layers Ø ≤ 160 mm 6 layers	EI = 120 U/U
Multilayer pipes with Polyethylene Foam (PEF)					
Henco pipes	Ø ≤ 32 mm	6 -13 mm	IWM III fire protection wrap 50 mm 2 x 1 layer, on both sides	IWM III fire protection wrap 50 mm 1 x 1 layer , on lower side	EI = 120 U/C
Multilayer pipes with Mineral Wool insulation					
Henco pipes	Ø ≤ 63 mm	1.6 - 4.5 mm	Stonewool pipeshell ≥ 500 x 30 mm, 100 mm BMA-L, on both sides		EI = 120 U/C

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CT Cable Tubes				
Cables	Ø ≤ 21 mm	CT overall length 300 mm (Ø 90 or 120 mm)		EI = 90
Cable bundles	Ø ≤ 100/21 mm			
Plastic EICs (Bundle)	Ø ≤ 100 mm, consisting of individual EICs	CT overall length 300 mm (Ø 90 or 120 mm)		EI = 90