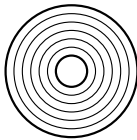
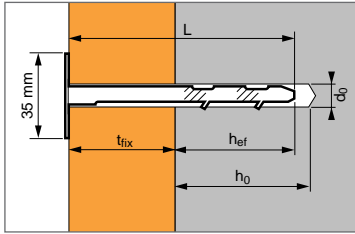




SOCOTEC
N° PT 3043



Washer Ø 11x70
Code 064 000

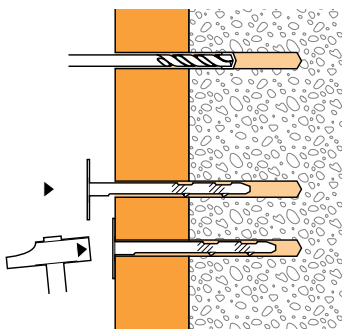
APPLICATION

- Fixing all types of insulation where a fire resistant anchor is required

MATERIAL

- Galvanised body Z275, NF EN 10142
- Stainless steel body Z6 CN 18-09

INSTALLATION



Fire resistant insulation anchor

Technical data

SPIT ISOMET	Anchor depth (mm)	Insulation thickness (mm)	Ø drill bit (mm)	Drilling depth (mm)	Total anchor length (mm)	Code
Galvanised	h_{ef}	t_{fix}	d₀	h₀	L	
8/30		30			80	059730
8/60		60			110	059740
8/90	50	90	8	60	140	059750
8/120		120			170	059760
8/150		150			200	059770
Stainless steel						
8/30		30			80	059700
8/60	50	60	8	60	110	059710
8/90		90			140	059720

Ultimate loads (N_{Ru,m})

TENSILE IN kN

Base material	Galvanised Anchor size 8/30 ; 8/60 ; 8/90 ; 8/120 ; 8/150	Stainless steel Anchor size 8/30 ; 8/60 ; 8/90
Concrete (C20/25)		
N _{Ru,m}	0,6	N _{Ru,m} 1,2
Solid concrete blocks type B120 (f_c = 13,5 N/mm²)		
N _{Ru,m}	0,4	N _{Ru,m} 0,6
Clay bricks (f_c = 55 N/mm²)		
N _{Ru,m}	0,4	N _{Ru,m} 0,6

Design loads (N_{Rd}) and Recommended loads (N_{Rec}) for one anchor without edge or spacing influence

$$N_{Rd} = \frac{N_{Ru,m} *}{3} ; \quad N_{Rec} = \frac{N_{Ru,m} *}{4}$$

*Derived from test results

TENSILE IN kN

Base material	Galvanised Anchor size 8/30 ; 8/60 ; 8/90 ; 8/120 ; 8/150	Stainless steel Anchor size 8/30 ; 8/60 ; 8/90
Concrete (C20/25)		
N _{Rd}	0,21	N _{Rd} 0,42
N _{Rec}	0,15	N _{Rec} 0,3
Solid concrete blocks type B120 (f_c = 13,5 N/mm²)		
N _{Rd}	0,14	N _{Rd} 0,21
N _{Rec}	0,1	N _{Rec} 0,15
Clay bricks (f_c = 55 N/mm²)		
N _{Rd}	0,14	N _{Rd} 0,21
N _{Rec}	0,1	N _{Rec} 0,15

Fire behaviour for insulation fixed to soffits



Maximum tensile service loads recommended on concrete for stability (kN)

Exposure limit	30 min.	1 h	1 h 30 min.	2 h	3 h
SPIT ISOMET GALVANISED	0,13	0,07	0,07	0,07	0,035
SPIT ISOMET ST. STEEL	0,20	0,20	0,20	0,20	0,10

The summary of fire tests performed by CSTB (No. 86.24642) is available on request.