

BIM STRUCTURED DATA SHEET REF 16

Structured Data_isotak_TI-T25-6,3_R75-R45_Nov-17_GB_v1

Title Block	Template Category	Concrete Fasteners - FR		
Γitle Block	Category Description	Fasteners suitable for self Tapping into concrete in Flat Roof	applications	
Title Block	Template Version	For fastening insulation and single ply membrane to Concrete decks. These connections are for external applications and used in		
Fitle Block	Suitability of Use	conjunction with thermally broken sleeves. Their use comprise	es connections	s with predominatly static loads.
Title Block	Parameter Name/ Question	Value/ Answer	Units	Notes
Manufacturers Data	Manufacturer	SFS intec Ltd	Text	
Manufacturers Data	Manufacturer Website	www.sfsintec.co.uk	URL	
Manufacturers Data	Product Range	Isotak	Text	
Manufacturers Data	Fastener Product Name	TI-T25-6,3	Text	
lanufacturers Data	Thermally Broken Insulation Sleeve Product Name	R75	Text	
lanufacturers Data	Thermally Broken Membrane Sleeve Product Name	R45	Text	
fanufacturers Data	Insulation Stress Plate Name	N/A	Text	
Manufacturers Data	Membrane Stress Plate Name	N/A	Text	
fanufacturers Data	Product Literature	SFS intec catalogue	URL	
Manufacturers Data	Features		Text	
		For the fastening of insulation or single ply membrane to Concrete decks.		
Manufacturers Data	ISO 9001	www.sfsintec.co.uk/quallity_management	URL	
Manufacturers Data	CE Mark	Yes	Text	
Manufacturers Data	FM Approval	Yes	Text	
Manufacturers Data	SINTEF Approval	Yes	Text	
Application Data	Flat, Mono Pitch, Duopitch or Barrell roof	Flat, Mono Pitch, Duopitch or Barrell	Text	
pplication Data	System Type	Flat Roof membrane & Insulation attachment	Text	
pplication Data	Membrane attachment type	Fixing in rows at membrane Seams	Text	
pplication Data	Deck type	Concrete. Min Grade C12/15. Min thickness 60mm.	Text	Pullout testing by SFS intec is required
pplication Data	Environmental Corrosion Category to BS EN12944	C1	Text	
Application Data	Estimated Service Life C1 (BS ISO 15686-1:2011)	20	Up to Years	
Application Data	Warranty C1	10	Years	
Dimensional Data	Fastener Thread Diameter	6,3	mm	
Dimensional Data	Fastener Head Diameter	9.7	mm	
Dimensional Data	Fastener Drive Position	External	Text	
Dimensional Data	Fastener Head Style	Torx25-32	Text	
Dimensional Data Dimensional Data	Fastener Head Style Fastener Length	Torx25-32 30, 50,60,70,80,90,100,120,130,140,160,	Text mm	
		30, 50,60,70,80,90,100,120,130,140,160,		
Dimensional Data Dimensional Data	Fastener Length Effective Fastener Thread Length	30, 50,60,70,80,90,100,120,130,140,160, 50	mm	
Dimensional Data Dimensional Data Dimensional Data	Fastener Length Effective Fastener Thread Length Fastener Drilling Capacity - Aluminium	30, 50,60,70,80,90,100,120,130,140,160, 50 N/A	mm mm	
Dimensional Data Dimensional Data Dimensional Data Dimensional Data Dimensional Data	Fastener Length Effective Fastener Thread Length Fastener Drilling Capacity - Aluminium Fastener Drilling Capacity - Steel	30, 50,60,70,80,90,100,120,130,140,160, 50 N/A N/A	mm mm mm	
Dimensional Data Dimensional Data Dimensional Data Dimensional Data Dimensional Data Dimensional Data	Fastener Length Effective Fastener Thread Length Fastener Drilling Capacity - Aluminium Fastener Drilling Capacity - Steel Thermally Broken Insulation Sleeve washer dimension	30, 50,60,70,80,90,100,120,130,140,160, 50 N/A N/A 75	mm mm mm mm	
imensional Data imensional Data imensional Data imensional Data imensional Data imensional Data	Fastener Length Effective Fastener Thread Length Fastener Drilling Capacity - Aluminium Fastener Drilling Capacity - Steel Thermally Broken Insulation Sleeve washer dimension Thermally Broken Insulation Sleeve Lengths	30, 50,60,70,80,90,100,120,130,140,160, 50 N/A N/A 75 35, 65, 85, 105, 135, 165, 185, 225, 255, 285	mm mm mm mm mm mm	
Dimensional Data	Fastener Length Effective Fastener Thread Length Fastener Drilling Capacity - Aluminium Fastener Drilling Capacity - Steel Thermally Broken Insulation Sleeve washer dimension Thermally Broken Insulation Sleeve Lengths Thermally Broken Membrane Sleeve washer dimension	30, 50,60,70,80,90,100,120,130,140,160, 50 N/A N/A 75 35, 65, 85, 105, 135, 165, 185, 225, 255, 285 45	mm mm mm mm mm	
Dimensional Data	Fastener Length Effective Fastener Thread Length Fastener Drilling Capacity - Aluminium Fastener Drilling Capacity - Steel Thermally Broken Insulation Sleeve washer dimension Thermally Broken Insulation Sleeve Lengths Thermally Broken Membrane Sleeve washer dimension Thermally Broken Membrane Sleeve Lengths	30, 50,60,70,80,90,100,120,130,140,160, 50 N/A N/A 75 35, 65, 85, 105, 135, 165, 185, 225, 255, 285 45 15, 35, 65, 85, 105, 135, 165, 185, 225, 255, 285, 325, 365, 405mm	mm mm mm mm mm mm mm mm	
Dimensional Data	Fastener Length Effective Fastener Thread Length Fastener Drilling Capacity - Aluminium Fastener Drilling Capacity - Steel Thermally Broken Insulation Sleeve washer dimension Thermally Broken Membrane Sleeve Lengths Thermally Broken Membrane Sleeve Lengths Insulation Stress Plate Dimension	30, 50,60,70,80,90,100,120,130,140,160, 50 N/A N/A 75 35, 65, 85, 105, 135, 165, 185, 225, 255, 285 45 15, 35, 65, 85, 105, 135, 165, 185, 225, 255, 285, 325, 365, 405mm N/A	mm mm mm mm mm mm mm mm mm	
Dimensional Data	Fastener Length Effective Fastener Thread Length Fastener Drilling Capacity - Aluminium Fastener Drilling Capacity - Steel Thermally Broken Insulation Sleeve washer dimension Thermally Broken Insulation Sleeve Lengths Thermally Broken Membrane Sleeve washer dimension Thermally Broken Membrane Sleeve Lengths	30, 50,60,70,80,90,100,120,130,140,160, 50 N/A N/A 75 35, 65, 85, 105, 135, 165, 185, 225, 255, 285 45 15, 35, 65, 85, 105, 135, 165, 185, 225, 255, 285, 325, 365, 405mm	mm mm mm mm mm mm mm mm	
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pimensional Data	Fastener Length Effective Fastener Thread Length Fastener Drilling Capacity - Aluminium Fastener Drilling Capacity - Steel Thermally Broken Insulation Sleeve washer dimension Thermally Broken Insulation Sleeve Lengths Thermally Broken Membrane Sleeve washer dimension Thermally Broken Membrane Sleeve Lengths Insulation Stress Plate Dimension Membrane Stress Plate Dimension European Technical Approval (ETA)	30, 50,60,70,80,90,100,120,130,140,160, 50 N/A N/A 75 35, 65, 85, 105, 135, 165, 185, 225, 255, 285 45 15, 35, 65, 85, 105, 135, 165, 185, 225, 255, 285, 325, 365, 405mm N/A	mm	Pullout testing by SFS intec is required
pimensional Data	Fastener Length Effective Fastener Thread Length Fastener Drilling Capacity - Aluminium Fastener Drilling Capacity - Steel Thermally Broken Insulation Sleeve washer dimension Thermally Broken Insulation Sleeve Lengths Thermally Broken Membrane Sleeve washer dimension Thermally Broken Membrane Sleeve Lengths Insulation Stress Plate Dimension Membrane Stress Plate Dimension European Technical Approval (ETA) Declaration of Performance (DoP)	30, 50,60,70,80,90,100,120,130,140,160, 50 N/A N/A 75 35, 65, 85, 105, 135, 165, 185, 225, 255, 285 45 15, 35, 65, 85, 105, 135, 165, 185, 225, 255, 285,325, 365, 405mm N/A N/A N/A ETA-08/0262	mm	Pullout testing by SFS intec is required
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imensional Data	Fastener Length Effective Fastener Thread Length Fastener Drilling Capacity - Aluminium Fastener Drilling Capacity - Steel Thermally Broken Insulation Sleeve washer dimension Thermally Broken Insulation Sleeve Lengths Thermally Broken Membrane Sleeve washer dimension Thermally Broken Membrane Sleeve Lengths Insulation Stress Plate Dimension Membrane Stress Plate Dimension European Technical Approval (ETA) Declaration of Performance (DoP) Fastener Surface Coating Fastener Material Fastener Material Grade Fastener Material Grade to EN standard Minimum Fastener Embedment into Steel Deck	30, 50,60,70,80,90,100,120,130,140,160, 50 N/A N/A 75 35, 65, 85, 105, 135, 165, 185, 225, 255, 285 45 15, 35, 65, 85, 105, 135, 165, 185, 225, 255, 285,325, 365, 405mm N/A N/A ETA-08/0262 Durocoat Carbon steel N/A N/A N/A N/A N/A	mm	Pullout testing by SFS intec is required
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pimensional Data pechnical Data	Fastener Length Effective Fastener Thread Length Fastener Drilling Capacity - Aluminium Fastener Drilling Capacity - Steel Thermally Broken Insulation Sleeve washer dimension Thermally Broken Insulation Sleeve Lengths Thermally Broken Membrane Sleeve washer dimension Thermally Broken Membrane Sleeve Lengths Insulation Stress Plate Dimension Membrane Stress Plate Dimension European Technical Approval (ETA) Declaration of Performance (DoP) Fastener Surface Coating Fastener Material Fastener Material Fastener Material Grade Fastener Material Grade to EN standard Minimum Fastener Embedment into Timber / OSB3 Deck Minimum Fastener Embedment into Concrete Deck	30, 50,60,70,80,90,100,120,130,140,160, 50 N/A N/A 75 35, 65, 85, 105, 135, 165, 185, 225, 255, 285 45 15, 35, 65, 85, 105, 135, 165, 185, 225, 255, 285,325, 365, 405mm N/A N/A N/A ETA-08/0262 Durocoat Carbon steel N/A N/A N/A N/A N/A N/A N/A 20	mm	Pullout testing by SFS intec is required
imensional Data echnical Data	Fastener Length Effective Fastener Thread Length Fastener Drilling Capacity - Aluminium Fastener Drilling Capacity - Steel Thermally Broken Insulation Sleeve washer dimension Thermally Broken Insulation Sleeve Lengths Thermally Broken Membrane Sleeve washer dimension Thermally Broken Membrane Sleeve Lengths Insulation Stress Plate Dimension Membrane Stress Plate Dimension European Technical Approval (ETA) Declaration of Performance (DoP) Fastener Surface Coating Fastener Material Fastener Material Grade Fastener Material Grade to EN standard Minimum Fastener Embedment into Steel Deck Minimum Fastener Embedment into Timber / OSB3 Deck Minimum Fastener Embedment into Concrete Deck Thermally Broken Insulation / membrane Sleeve material	30, 50,60,70,80,90,100,120,130,140,160, 50 N/A N/A 75 35, 65, 85, 105, 135, 165, 185, 225, 255, 285 45 15, 35, 65, 85, 105, 135, 165, 185, 225, 255, 285,325, 365, 405mm N/A N/A ETA-08/0262 Durocoat Carbon steel N/A N/A N/A N/A N/A N/A N/A Polypropleyne	mm	Pullout testing by SFS intec is required
imensional Data echnical Data	Fastener Length Effective Fastener Thread Length Fastener Drilling Capacity - Aluminium Fastener Drilling Capacity - Steel Thermally Broken Insulation Sleeve washer dimension Thermally Broken Insulation Sleeve Lengths Thermally Broken Membrane Sleeve washer dimension Thermally Broken Membrane Sleeve Lengths Insulation Stress Plate Dimension Membrane Stress Plate Dimension European Technical Approval (ETA) Declaration of Performance (DoP) Fastener Surface Coating Fastener Material Fastener Material Fastener Material Grade Fastener Material Grade to EN standard Minimum Fastener Embedment into Timber / OSB3 Deck Minimum Fastener Embedment into Concrete Deck	30, 50,60,70,80,90,100,120,130,140,160, 50 N/A N/A 75 35, 65, 85, 105, 135, 165, 185, 225, 255, 285 45 15, 35, 65, 85, 105, 135, 165, 185, 225, 255, 285,325, 365, 405mm N/A N/A N/A ETA-08/0262 Durocoat Carbon steel N/A N/A N/A N/A N/A N/A N/A 20	mm	Pullout testing by SFS intec is required
imensional Data echnical Data	Fastener Length Effective Fastener Thread Length Fastener Drilling Capacity - Aluminium Fastener Drilling Capacity - Steel Thermally Broken Insulation Sleeve washer dimension Thermally Broken Insulation Sleeve washer dimension Thermally Broken Membrane Sleeve washer dimension Thermally Broken Membrane Sleeve washer dimension Thermally Broken Membrane Sleeve Lengths Insulation Stress Plate Dimension Membrane Stress Plate Dimension European Technical Approval (ETA) Declaration of Performance (DoP) Fastener Surface Coating Fastener Material Fastener Material Fastener Material Grade Fastener Material Grade to EN standard Minimum Fastener Embedment into Steel Deck Minimum Fastener Embedment into Timber / OSB3 Deck Minimum Fastener Embedment into Concrete Deck Thermally Broken Insulation / membrane Sleeve material Insulation / Membrane Stress plate Material Grade	30, 50,60,70,80,90,100,120,130,140,160, 50 N/A N/A 75 35, 65, 85, 105, 135, 165, 185, 225, 255, 285 45 15, 35, 65, 85, 105, 135, 165, 185, 225, 255, 285,325, 365, 405mm N/A N/A ETA-08/0262 Durocoat Carbon steel N/A	mm	Pullout testing by SFS intec is required
pimensional Data pimens	Fastener Length Effective Fastener Thread Length Fastener Drilling Capacity - Aluminium Fastener Drilling Capacity - Steel Thermally Broken Insulation Sleeve washer dimension Thermally Broken Insulation Sleeve Lengths Thermally Broken Membrane Sleeve washer dimension Thermally Broken Membrane Sleeve Lengths Insulation Stress Plate Dimension Membrane Stress Plate Dimension European Technical Approval (ETA) Declaration of Performance (DoP) Fastener Surface Coating Fastener Material Fastener Material Fastener Material Grade Fastener Material Grade to EN standard Minimum Fastener Embedment into Steel Deck Minimum Fastener Embedment into Concrete Deck Thermally Broken Insulation / membrane Sleeve material Insulation / Membrane Stress plate Material Grade Uniclass 2015	30, 50,60,70,80,90,100,120,130,140,160, 50 N/A N/A 75 35, 65, 85, 105, 135, 165, 185, 225, 255, 285 45 15, 35, 65, 85, 105, 135, 165, 185, 225, 255, 285,325, 365, 405mm N/A N/A N/A ETA-08/0262 Durocoat Carbon steel N/A N/A N/A N/A N/A N/A N/A Pr_20 Polypropleyne N/A Pr_20_29_76_76	mm	Pullout testing by SFS intec is required
pimensional Data pimens	Fastener Length Effective Fastener Thread Length Fastener Drilling Capacity - Aluminium Fastener Drilling Capacity - Steel Thermally Broken Insulation Sleeve washer dimension Thermally Broken Insulation Sleeve washer dimension Thermally Broken Membrane Sleeve washer dimension Thermally Broken Membrane Sleeve washer dimension Thermally Broken Membrane Sleeve Lengths Insulation Stress Plate Dimension Membrane Stress Plate Dimension European Technical Approval (ETA) Declaration of Performance (DoP) Fastener Surface Coating Fastener Material Fastener Material Fastener Material Grade Fastener Material Grade to EN standard Minimum Fastener Embedment into Steel Deck Minimum Fastener Embedment into Timber / OSB3 Deck Minimum Fastener Embedment into Concrete Deck Thermally Broken Insulation / membrane Sleeve material Insulation / Membrane Stress plate Material Grade	30, 50,60,70,80,90,100,120,130,140,160, 50 N/A N/A 75 35, 65, 85, 105, 135, 165, 185, 225, 255, 285 45 15, 35, 65, 85, 105, 135, 165, 185, 225, 255, 285,325, 365, 405mm N/A N/A ETA-08/0262 Durocoat Carbon steel N/A	mm	Pullout testing by SFS intec is required
Dimensional Data Dechnical Data Dechnical Data Dechnical Data Dimensional	Fastener Length Effective Fastener Thread Length Fastener Drilling Capacity - Aluminium Fastener Drilling Capacity - Steel Thermally Broken Insulation Sleeve washer dimension Thermally Broken Membrane Sleeve Lengths Thermally Broken Membrane Sleeve Lengths Insulation Stress Plate Dimension Membrane Stress Plate Dimension European Technical Approval (ETA) Declaration of Performance (DoP) Fastener Surface Coating Fastener Material Fastener Material Fastener Material Grade Fastener Material Grade to EN standard Minimum Fastener Embedment into Steel Deck Minimum Fastener Embedment into Timber / OSB3 Deck Minimum	30, 50,60,70,80,90,100,120,130,140,160, 50 N/A N/A 75 35, 65, 85, 105, 135, 165, 185, 225, 255, 285 45 15, 35, 65, 85, 105, 135, 165, 185, 225, 255, 285,325, 365, 405mm N/A N/A ETA-08/0262 Durocoat Carbon steel N/A N/A N/A N/A N/A N/A N/A Pr_20 Polypropleyne N/A Pr_20_29_76_76 Self-drilling sheet metal screws	mm	Pullout testing by SFS intec is required
Dimensional Data	Fastener Length Effective Fastener Thread Length Fastener Drilling Capacity - Aluminium Fastener Drilling Capacity - Steel Thermally Broken Insulation Sleeve washer dimension Thermally Broken Insulation Sleeve Lengths Thermally Broken Membrane Sleeve washer dimension Thermally Broken Membrane Sleeve Lengths Insulation Stress Plate Dimension Membrane Stress Plate Dimension European Technical Approval (ETA) Declaration of Performance (DoP) Fastener Surface Coating Fastener Material Fastener Material Fastener Material Grade Fastener Material Grade to EN standard Minimum Fastener Embedment into Steel Deck Minimum Fastener Embedment into Concrete Deck Thermally Broken Insulation / membrane Sleeve material Insulation / Membrane Stress plate Material Grade Uniclass 2015	30, 50,60,70,80,90,100,120,130,140,160, 50 N/A N/A 75 35, 65, 85, 105, 135, 165, 185, 225, 255, 285 45 15, 35, 65, 85, 105, 135, 165, 185, 225, 255, 285,325, 365, 405mm N/A N/A N/A ETA-08/0262 Durocoat Carbon steel N/A N/A N/A N/A N/A N/A N/A Pr_20 Polypropleyne N/A Pr_20_29_76_76	mm	Pullout testing by SFS intec is required

The details stated are results of tests and/or calculations and therefore are non-binding and do not represent guaranties or warranted characteristics for none-specified applications. All calculations therefore have to be checked and approved by the responsible planner ahead of execution. The user is responsible to assure compliance with all applicable laws and regulations.