

DEKFAST™ ISO-TAK®
Thermal Efficient Fastening System



Dekfast *ISO-TAK*[®] fastening system guards against thermal bridging, providing exceptional protection from heat loss or heat gain, and is the superior fastening system for flat roof and cold storage construction applications.

***ISO-TAK* Fastening System provides:**

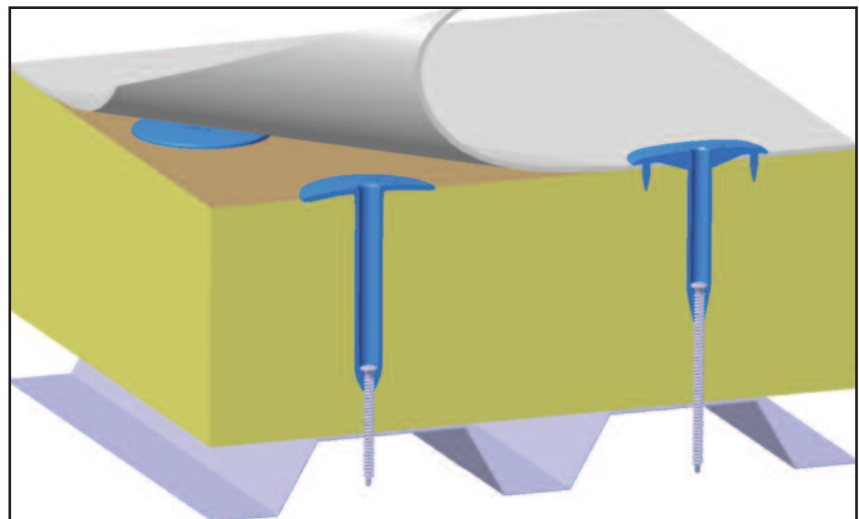
- Immediate cost savings through energy conservation
- Cost savings through utilization of shorter fastener lengths
- Reduced thermal conductivity
- Improved insulation performance
- Secure thread engagement
- Flexibility for expansion and compression, eliminating pop-ups due to insulation shrinkage, weight or foot traffic
- No breaks in threaded connection
- Tool specifically designed to ensure proper installation
- Factory Mutual approved

How the *ISO-TAK* fastening system works.

ISO-TAK is a two-part fastening system. A #14 TORX[®] drive Dekfast fastener sits inside a polypropylene sleeve for insulation attachment or an engineered polymide sleeve for membrane attachment. The durable plastic sleeve penetrates well below the surface of the insulation providing a barrier between the fastener head and external atmospheric conditions.

Because the fastener is recessed, it never comes into contact with the roof surface reducing the thermal bridge caused by conventional fastener assemblies. This improves the building's thermal efficiency and reduces heat transfer through the building envelope.

The *ISO-TAK* system also allows for contraction and expansion due to weather extremes or compression due to weight or foot traffic. The plastic sleeve allows the head of the fastener to ride up or down inside the sleeve, without damaging the membrane or reducing the integrity of the thread connection.



Dekfast ISO-TAK Product Selection

The ISO-TAK fastening system accommodates the utilization of shorter fasteners without compromising insulation thickness requirements. Sleeve and fastener combinations can be used on thicknesses up to 18 inches. The charts below will assist in proper fastener/sleeve selection.

ISO-TAK Sleeve Sizes

<u>Sleeve</u>	<u>Description</u>
R75X105	3" Round x 4-1/8"
R75X135	3" Round x 5-1/4"
R75X165	3" Round x 6-1/2"
R75X225	3" Round x 8-7/8"
R75X255	3" Round x 10"
R75X285	3" Round x 11-1/4"

DEKFAST #14 Fasteners

<u>Fastener</u>	<u>Description</u>
BS-6.1/52X63	#14 x 2-1/2"
BS-6.1/91X102	#14 x 4"
BS-6.1/141X152	#14 x 6"
BS-6.1/192X203	#14 x 8"

Product Selector Guide

<u>Sleeve</u>	<u>Sleeve Description</u>	<u>Fastener</u>	<u>Fastener Description</u>	<u>Build-up Thickness</u>	
				Minimum	Maximum
R75X105	3" Round x 4-1/8"	BS-6.1/52X63	#14 x 2-1/2"	4-1/2"	5-1/2"
		BS-6.1/91X102	#14 x 4"	4-1/2"	7"
		BS-6.1/141X152	#14 x 6"	6"	9"
		BS-6.1/192X203	#14 x 8"	8"	11"
R75X135	3" Round x 5-1/4"	BS-6.1/52X63	#14 x 2-1/2"	5-1/2"	6-1/2"
		BS-6.1/91X102	#14 x 4"	5-1/2"	8"
		BS-6.1/141X152	#14 x 6"	7"	10"
		BS-6.1/192X203	#14 x 8"	8-1/2"	12"
R75X165	3" Round x 6-1/2"	BS-6.1/52X63	#14 x 2-1/2"	6-1/2"	8"
		BS-6.1/91X102	#14 x 4"	6-1/2"	9-1/2"
		BS-6.1/141X152	#14 x 6"	8-1/2"	11-1/2"
		BS-6.1/192X203	#14 x 8"	10-1/2"	13-1/2"
R75X225	3" Round x 8-7/8"	BS-6.1/52X63	#14 x 2-1/2"	9"	10"
		BS-6.1/91X102	#14 x 4"	9"	11-1/2"
		BS-6.1/141X152	#14 x 6"	10-1/2"	13-1/2"
		BS-6.1/192X203	#14 x 8"	12-1/2"	15-1/2"
R75X255	3" Round x 10"	BS-6.1/52X63	#14 x 2-1/2"	10"	11-1/2"
		BS-6.1/91X102	#14 x 4"	10"	13"
		BS-6.1/141X152	#14 x 6"	12"	15"
		BS-6.1/192X203	#14 x 8"	14"	17"
R75X285	3" Round x 11-1/4"	BS-6.1/52X63	#14 x 2-1/2"	11-1/2"	12-1/2"
		BS-6.1/91X102	#14 x 4"	11-1/2"	14"
		BS-6.1/141X152	#14 x 6"	13"	16"
		BS-6.1/192X203	#14 x 8"	15"	18"

Fast and Easy Installation

Dekfast ISO-TAK does not require special equipment in order to install insulation or single-ply membrane, however SFS intec has designed ergonomic setting tools and accessories designed to facilitate installation.



Hand Drill with Extended TORX® Bit
Compatible with any 18V power drill.



IT-18 Hand Setting Tool
Provides fast, easy and consistent installation.

Technical advice and sales service

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SFS intec
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