

SIDERISE R-DTI ducting thermal insulation

A high performance thermal insulation for external application to Rail ducting services providing exceptional fire, smoke & toxicity performance.

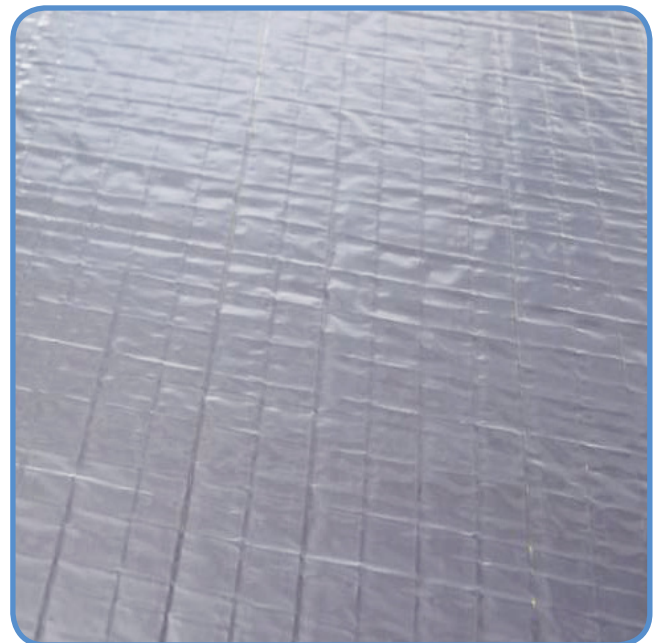
Application

SIDERISE R-DTI ducting thermal insulation is designed for use on duct services including both heating, ventilation and air conditioning. It has exceptional fire, smoke and toxicity performance ensuring passenger safety. It achieves the highest level of performance within UK and French rail fire legislation, plus achieves A+ to ISO 16000 for environmental emissions.

Supplied in sheet form, or can be cut to final sizes/shapes as required. Application guidelines are available on request from rail@siderise.com.

Benefits

- Fire, smoke & toxicity legislation compliance (UK Rail, France Rail)
- Environmental emissions to ISO 16000-6, 9 & 11 (Classification A+)
- Temperature resistance -20 to 150°C



**Acoustic, fire and thermal
insulation specialists**

Product description

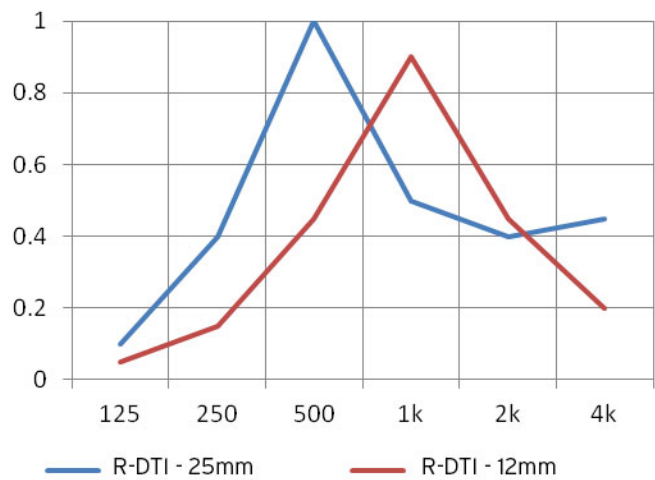
SIDERISE R-DTI ducting thermal insulation is a lightweight composite, offering excellent acoustic and thermal insulation properties and has been tested to meet both the UK and French Rail fire regulations.

The product is supplied with a self-adhesive backing, when applying it to a surface it is important to apply pressure so that there is a good cohesion. Application guidelines are available on request.

Acoustic performance

Table 1 - SIDERISE R-DTI acoustic performance

Acoustic performance: R-DTI							
Thickness (mm)	Sound Absorption Coefficients						
	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	α_w
25	0.10	0.40	1.00	0.50	0.40	0.45	0.50
12	0.05	0.15	0.45	0.90	0.45	0.20	0.35



Fire performance

Table 2 - SIDERISE R-DTI fire performance

Fire performance: R-DTI		
UK Rail (BS6853: 1999)		French Rail
BS476 - 6,	I < 12, I, < 6	NFP 92-501 - M1 NFF 16-101 - F1
BS476 - 7,	Class 1	
BS6853 D8.4	A ₀ (ON) 2.6	
	A ₀ (OFF) 3.9	
BS6853 B.2	R (max) 1.0	
BS6853 Table 3 - Category 1a		
Class 0 to UK Building Regulations		

Technical specification

Form supplied	Sheet form with self-adhesive backing
Finish	Silver
Thermal conductivity	$\lambda_{20} = 0.035 \text{ w/mK}$
Temperature resistance	-20°C to 150°C

Additional information

The following information is available upon request or via download from our website:

- 1/3 octave absorption coefficients available on request
- Safety Data Sheet

Environmental

The following applies to **R-DTI ducting thermal insulation**:

- ISO 16000 - Part 6, 9 & 11 (2006) - Classification A+
- Contains no Volatile Organic Compounds (VOCs) and no very Volatile Organic Compounds (vVOCs).
- Zero Ozone Depleting Potential
- Zero Global Warming Potential
- Recyclable

Technical support

For further information please contact our Rail technical team at the address below.

**Developing insulation solutions
for over 40 years**

