

Flexiva SKY Insulated



A. Raw Materials

1. Steel Wire Quality Standards

DIN / ASTM / SAE	EURO	TS
DIN 17223/B	EN 10270-1-SM	TS2500-1-SM

2. ALPET (Aluminium+Polyester for inner and outer surface)

Chemical composition of the alloys used for production of foil corresponds to DIN EN 573-3.

Tensile Test according to DIN EN 546-2.
7-12 micron thickness ALU+PET is used.

3. GLASS WOOL (Insulation Material)

According to EN 13501-1, A1 Class Glass wool is used. The thickness of glass wool is 25 mm. And the density of glass wool is 16 kg/m³. R Value of the insulation is 0,69 m².K/W

4. ALUMINIUM JACKET (Aluminium+Polyester)

Chemical composition of the alloys used for production of foil corresponds to DIN EN 573-3.

Tensile Test according to DIN EN 546-2.
7-12 micron thickness ALU+PET and 12 micron pet are used.

B. Product Data

FLEXIVA SKY INSULATED		STANDARD
DIAMETER CHANGE	Ø85 mm - Ø610 mm	EN 13180
OPERATING TEMPERATURE	-30 °C / 150 °C	
MAX. AIR VELOCITY	30 m/ sn	
MAX. POSSITIVE PRESSURE	5000 Pa	EN 13180
MAX. NEGATIVE PRESSURE	400 Pa	EN 13180
PACKAGING	10 m/box	IŞIL
END TREATMENT	10 m -PLAIN ENDS	

Intended for medium and low pressure environment. It has the features of being able to be stretched, twisted and compressed. Air tight (Class C according to EN 13180) and flame reterdant.

Production according to **ISO 9001:2015** and **EN 13180** standards. **261- 503** registered product by Ministry of environment and urban planning in Turkey.

ROHS test was performed and it is passed successfully according to the **2011/65/EU** directive. (**EU 2015/863**)

As a result of the certification process, it has been awarded the **Ecological Product Certificate**. The products are ecological and the use of **Eco Label/Eco Mark** logos are approved.

C. Performance Data

1. Fire Resistance

Flexiva Sky is tested according to the NF P 92-501 French norm and gets **M1** certificate from CSTB lab. Flexiva Sky insulated is tested according to İtalian Fire standard and gets **Class 1** .

It is also tested according to **BS 476 Part 7** norm for fire reactions tests and gets **Class 1**. According to **BS 476 Part 20** norm for reaction to fire tests, the tests were performed and the test report results obtained.

Also, sucessfully passed **UL 181** burning test. Please contact with your sales representative for the certificates.

D. Installation

Air duct connections and joints shall be made per installation instructions outlined by IŞIL Mühendislik. The perfect installation should be by EXIVA, practical connector. Please contact with your sales representative for the installation instructions and the specifications of EXIVA.

CONTROLLED

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