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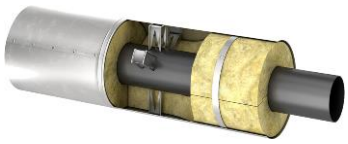
TECHNOCYLINDER

Stone wool hollow cylinders used as thermal and sound insulation of technological piping and round air ducts

Product description

TECHNOCYLINDER is the nonflammable, water-repellent thermal and sound insulation hollow cylinders of mineral wool based on basalt rocks. The cylinders have a continuous longitudinal cut on one side and a corresponding notch from the inside of the opposite side for easy installation on the pipe. Depending on the inner diameter and thickness, can also be produced in half-cylinders or segments.



Area of application

TECHNOCYLINDER hollow cylinders are used in industrial construction as thermal and sound insulation of technological piping and round air ducts. Applied at temperatures of insulated surfaces up to +680°C.

Storage

The cylinders must be stored in covered warehouses. The cylinders shall be stored in containers or stacked on the pallets or on the supports during the whole period of storage. The method of stacking should ensure a stable position of the cylinders during storage and disassembly. Shelf life if all storage requirements are met: 6 months from the date of production.

Main characteristics

Essential characteristics	Performance	Harmonized technical specification	
Density, kg/m³	120±15	EN 13470	EN 14303:2009 +A1:2013
Length, mm	1000, 1200 (±2%)	EN 13467	
Inner diameter, mm	18-324	EN 13467	
Thickness (with increments of 10 mm), mm	20-120	EN 13467	
Maximum service temperature, °C	680	EN 14707	
Reaction to fire, Euroclass	A1	EN 13501-1	
Water absorption during short term immersion, kg/m²	WS < 1	EN 13472	
Declared thermal conductivity at 10°C, W/m*K	0.036	EN ISO 8497	
Declared thermal conductivity at 50°C, W/m*K	0.040	EN ISO 8497	
Declared thermal conductivity at 100°C, W/m*K	0.046	EN ISO 8497	
Declared thermal conductivity at 125°C, W/m*K	0.051	EN ISO 8497	
Declared thermal conductivity at 200°C, W/m*K	0.064	EN ISO 8497	
Declared thermal conductivity at 300°C, W/m*K	0.092	EN ISO 8497	