

# ducting express

## PHENEXPAN 60

### GENERAL FEATURES

**PHENEXPAN 60** is a rigid phenolic foam. This product is specially conceived to answer to an increasing request for CFC-free products and not emitting toxic fumes or burning droplets in contact with the flame. This material, with its outstanding insulating properties, retains excellent stability over time. His fire behaviour, quite exceptionally, has achieved the rankings M1, F1.

**PHENEXPAN 60** is a safe product and has good resistance to solvents. The fumes have a low opacity.

### SPECIFICATIONS

	PHENEXPAN 60	U.M	STANDARDS
Density	60 ± 4	Kg/m <sup>3</sup>	ISO 845
Compressive strength //	340 ± 50	KPa	ISO 844:2001
Initial thermal conductivity (ΔT = 20°C)	0.038 ± 3 %	W/m.K	NFT 56-124
Dimensional stability 24h à 90°C	± 1	%	DIN ISO 2796
Water absorption	6.9	%	ISO 2896
Permeability to water vapor	83	g/m <sup>2</sup> /24 hours	ISO 1663
Friability	24 ± 5	%	ISO 6187
Closed cells rate	>92	%	ISO 4590
Operating temperature (*)	-160 to +120	°C	
Fire resistance classification (radiant panel french test)	M1		NF P 92-501
Smoked classification	F1		NF F 16-101 NF F 16-102 STM-S-001 ind. C

*(\*) to confirm follow applications*

The information and recommendations contained in this document is the result of our experiences. We cannot be held responsible for the consequences of what could be done outside the contractual details with the competent organ of the buyer, as appropriate. It is up to users to conduct their own tests to determine if the products are well suited to their particular applications.

#### Update 05/2011

This update supersedes any technical details before the date indicated above. It is the responsibility of the user to ensure the validity of this.