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BS EN 13970

Prepared  
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Cancels and replaces

Code :  
184480X  
Manufacture source  
Courchelettes (Fr-59)

Technical ref:  
PI AXTER

## PRODUCT DATA SHEET

Year mark was 1<sup>st</sup> fixed : 2006

### VAP IND

#### DESCRIPTION

VAP-IND is a robust, self-adhesive vapour control layer with high adhesive strength. The product meets all industrial roof requirements of DIN 18234 and other construction guidelines. Properties: cold self-adhesive, reduces fire risk, simple and quick to install, possible to install at low temperatures, resistant to traffic and robust.

#### USE

Vapour control layer for use on flat roofs, particularly suitable for built up systems on metal decks. The product is cold applied with a special outer aluminium foil. The protective foil, with a raised strip on each side (to make removal of the protection easier) is made from siliconised HDPE-foil.

#### APPLICATION METHOD

The surface on which the VAP IND is to be applied must be smooth, dry, clean and free from grease. The deck (concrete, timber, etc) must be treated with a bituminous primer (Axter's VERNIS ANTAC). New metal decks do not need priming if they are smooth, clean, dry and free from grease. If this is not the case, the metal deck must be primed with VERNIS ANTAC. The VAP-IND is then rolled out and a roller is used to avoid air bubbles forming. Side and end laps must be 8cm min. Laps must be pressed to ensure full bonding. Strips can be cut into any shape required using a sharp knife. VAP-IND should be laid in temperatures between 0°C to +30°C (base temperature +5°C to +25°C) but not in rain, snow or frosty conditions.

#### STORAGE

Rolls are to be stored upright on pallets standing on a level surface, in a cool, dry place, protected from heat (particularly the sun's rays). During cold weather the rolls must be stored for at least 12 hours before use at +5°C. Pallets must not be stacked on top of one another.

#### COMPOSITION

(indicative)

Composition (gm/m <sup>2</sup> ) :	Self-adhesive layer + fire check	300
Surface finish (gm/m <sup>2</sup> ) :	Aluminium foil	50
Under surface finish (gm/m <sup>2</sup> ) :	Polyethylene protective foil	30

#### CHARACTERISTICS

		STANDARD(BS)	UNITS	VALUES	VALUES
Dimensions	Length	EN 1848-1	m	50	+/- 1%
	Width		m	1.08	+/-1%
	Straightness		mm/10m	≤20	≤20
	Nominal roll weight		kg	15.0	
	Thickness (on finished product)		EN 1849-1	mm	0.25
Visible defects	New product	EN 1850-1	-	None	None
	After ageing to EN 1297		-	NA	-
Adhesion of granules		EN 12039	%	NA	-
Resistance to tearing (nail shank)	Longitudinal	EN 12310-1	N	4	5
	Cross direction			4	6
Tensile properties : maximum tensile force	Longitudinal	EN 12311-1	N/50 mm	200	200
	Cross direction			200	235
Tensile properties : elongation	Longitudinal	EN 12311-1	%	20	25
	Cross direction			20	30
Peel resistance of joint	Maximum force	EN 12316-1	N/50mm	Selvage	NA
				End joint	NA
	Average force			Selvage	NA
				End joint	NA
Shear resistance of joint	Maximum force	EN 12317-1	N/50mm	Selvage	200
				End joint	200
Flexibility at low temperature		EN 1109	°C	-20	≤-20
Flow resistance at elevated temperature	New product	EN 1110	°C	100	≥ 100
	After ageing to EN 1296			NA	-
Resistance to impact		EN 12691	mm	10	≤ 10
Resistance to static loading		EN 12730 (A)	kg	NA	-
Dimensional stability		EN 1107-1	%	NA	-
Form stability under cyclic temperature change		EN 1108	%	NA	-
Water vapour transmission properties	New product	EN 1931	Sd(m)	1500	3358
	After ageing to EN 1296		Sd(m)	750	2445
Watertightness	New product	EN 1928	-	100 kPa/24h	<200 kPa/24h
	After ageing to EN 1296		-	NA	NA
Watertightness after stretching at low temperature		EN 13897	%	NA	NA
Reaction to fire		EN 13501-1	-	E	E
Resistance to root penetration		EN 13948	-	NA	-
Calorific value		DIN 51900-1	kJ/m <sup>2</sup>	≤ 10500	8169
Dangerous substances consult : <a href="http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm">http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm</a>		-	-	NA	

NA=not applicable due to use of product.

The manufacturer reserves the right to modify, at any time, the characteristics of its products.