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BS EN 13970

Prepared
01/08/2008
Cancels and replaces
Code :
184480X
Manufacture source
Courchelettes (Fr-59)
Technical ref:
PI AXTER

PRODUCT DATA SHEET

Year mark was 1st 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 0ºC to +30ºC (base temperature +5ºC to +25ºC) 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 +5ºC. Pallets must not be stacked on top of one another.

COMPOSITION

(indicative)

Composition (gm/m²) :	Self-adhesive layer + fire check	300
Surface finish (gm/m²) :	Aluminium foil	50
Under surface finish (gm/m²) :	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	0.35
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	Selvedge	*EN 12316-1*	*N/50mm*	NA	-
		End joint			NA	-
	Average force	Selvedge			NA	-
		End joint			NA	-
Shear resistance of joint	Maximum force	Selvedge	*EN 12317-1*	*N/50mm*	200	248
		End joint			200	255
Flexibility at low temperature			*EN 1109*	℃	-20	≤-20
Flow resistance at elevated temperature		New product	*EN 1110*	℃	100	≥ 100
		After ageing to EN 1296			NA	-
Resistance to impact			*EN 12691*	*mm*	300	≥
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/m²*	≤ 10500	8169
Dangerous substances consult : http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm			-	-	NA	

NA=not applicable due to use of product.