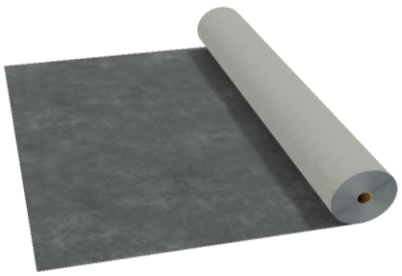
TECHNICAL DATASHEET

LINOPORE® RX 5000 / LINOPORE® RX 5000+

CE 22

EN 13859-1, EN 13859-2

Product:	LINOPORE® RX 5000 / LINOPORE® RX 5000+
Supplier:	MASTERPLAST International Kft., 8143 Sárszentmihály, Árpád u. 1/a. (www.masterplastinternational.com)
Size, packaging:	1,5m*50m - 75m^2/roll
Application:	**LINOPORE RX 5000** - Vapour-permeable underlay for ventilated discontinuous roofings-, furthermore for ventilated wall structures with not open-joints (where it is not exposed to direct UV-radiation). Used as a subsidiary protective layer against moisture (liquid water penetration, wind-blown snow) and wind, laid unsupported or directly on thermal insulation. **LINOPORE RX 5000+** - With two integrated self-adhesive zone for windtight application laid for timber boarding or solid thermal insulation.
Material:	Vapour-permeable and watertight functional membrane with polypropylene layer protection on both sides.



PROPERTIES		TEST METHOD	UNIT	VALUE	MINIMUM	MAXIMUM
GENERAL PRODUCT CHARACTERISTICS						
Length		EN 1848 - 2	m	50	(-)0%	-
Width		EN 1848 - 2	cm	150	(-)0,5%	(+)1,5%
Straightness		EN 1848 - 2	mm/m	-	-	30
Mass per unit area		EN 1849 - 2	g/m^2	130	(-)5	(+)5
APPLICATION RELATED CHARACTERISTICS						
Reaction to fire		EN ISO 11925-2	class	E	-	-
Resistance to water penetration		EN 1928	class	W1	-	-
Water vapour transmission prperties (Sd value)		EN ISO 12572	m	0,02	(-)0,01	(+)0,03
Tensile strength	Length (MD)	EN 12311-1	N/5cm	280	(-)30	(+)30
	Cross (CD)			200	(-)20	(+)20
Elongation	Length (MD)	EN 12311-1	%	60	(-)10	(+)10
	Cross (CD)			50	(-)10	(+)10
Resistance to tearing	Length (MD)	EN 12310-1	N	150	(-)30	(+)30
	Cross (CD)			200	(-)20	(+)20
Dimensional stability (MD/CD)		EN 1107-2	%	-	-	1
Flexibility at low temperature		EN 1109	°C	(-)40	-	-
CHANGING OF PROPERTIES AFTER ARTIFICIAL AGEING						
Ageing (2 weeks UV, 3 months 70°C)		EN 1297 / 1296	Residual value			
Resistance to water penetration		EN 1928	class	W1	-	-
Tensile strength and elongation	Length (MD)	EN 12311-1	%	> 75	-	-
	Cross (CD)	EN 12311-1	%	> 75	-	-
ADDITIONAL PROPERTIES						
Temperature resistance			°C	-	-	(+)100
UV-resistance			month	-	-	3
Dangerous substances				none	-	-

Storage and handling

Under dry conditions, protected against atmospheric exposure, especially sun-radiation and other heat sources as well as against moisture and rain. Product with integrated self-adhesive stripes shall be stored and transported frost-free and under (+)40°C. Shelf life is 12 months for product with integrated self-adhesive tape.

Application

The product is laid directly over the thermal insulation, timber boarding or other solid support, paralell to the eaves with minimum 10 cm overlapping and the printed side to the roofing/cladding. The underlay is fixed along the rafters with counter battens (min. 50/50mm). These battens lift the tiling battens off the underlay and create an effective drainage path to the eaves and ridge.

The overlaps and joints shall be bonded by proper adhesive tape or by the integrated adhesive tapes. For sufficient adhesion, contact pressure and minimum (+)5ºC temperature is required.

Guarantee, warranty:

In accordance with the current legislations and the conditions of the distributor. The observation of the application rules of the product and presentation of the invoice constitute a prerequisite for possible future warranty claims. The installed underlay should not be left uncovered for longer than it is absolutely necessary (max. 4 weeks), but until finishing the roofing, application of additional covering (e.g. PE foil) is advised to ensure the protection of interiors against wetness. Masterplast International Kft. shall be not liable for damages and neither for consequential damages resulting from water infiltration through the underlay during the construction period. Any damaged areas (result from construction, carelessness, weather conditions) shall be repaired or replaced before completion!

Standards, specifications

EN 13859-1, EN 13859-2

Health and safety

No labelling required in accordance with the relevant regulation (EC) No. 1907/2006 of the European Parliament and of the Council (REACH).

This datasheet corresponds to our current knowledge, experiences and general informations on the subject, but may be revised as new knowledge and/or experience becomes available. It does not imply any legally binding assurance. The product possesses the given technical characteristics. Since all variations of end-using of the product can not be anticipated, the designer/end-user's responsibility to make sure of the suitability of this product for particular purposes, structures. The manufacturer supposes essential technical skill and skillfull application during construction.

This technical datasheet is applied to products sold by Masterplast International Kft. and valid until withdrawal or until modification. Since this datasheet may be subject to revision, it is the responsibility of designer/end-user to make sure of possessing the latest version of the datasheet (*see date of issuing). Most recent version of this datasheet can be also accessed under www.masterplastinternational.com. Herewith the previously issued versions of this datasheets lose their validity and must be replaced by this version!

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