

TECHNICAL DATA SHEET

PRODUCT SPECIFICATION HARDCAST[®] Reinforced Bitumen Membrane PAL7920

GENERAL INFORMATION

DESCRIPTION

Pressure sensitive adhesive sealing tape based on bitumen. The balanced mix of several synthetic rubbers and bitumen results in a good bonding on several materials such as concrete, stone and metals. The tape adheres well on dry and flat substrates, after applying even pressure.

COMPOSITION

<i>Adhesive</i>	Modified bitumen adhesive (black colour)
<i>Backing</i>	PET/ALU combination 55µm (23µm/25µm) – lead grey color. Aluminum film on top.
<i>Release liner</i>	One-sided siliconized PP 70µm (black/white color)

APPLICATION

Waterproofing in general; tape is suitable for waterproof and moisture proof barrier in building-constructions; sealing concrete seams, covering openings between window-frames and wall and suitable as secondary moisture barrier, adheres on most substrates that are compatible with bitumen based products.

SIZES

<i>Standard thickness (mm)</i>	2.0 (+10% -5%)
<i>Standard widths (mm)</i>	100
<i>Standard lengths (m)</i>	10

TECHNICAL DATA

Properties	Performance	Typical Value	Test Method	
Watertightness	Pass		EN 1928	
Watertightness after artificial ageing	Pass		EN 1928 + EN 1296	
Watertightness after chemical ageing	Pass		EN 1928 + EN 1847	
Low temperature flexibility at -20°C - top and bottom layer	Pass	-38°C	EN 1109	
Impact resistance (mm)	≥ 300		EN 12691	
Resistance to static loading (kg)	≥ 10		EN 12730 – Method B	
Tear resistance (N)	Longitudinal Transversal	≥ 40 ≥ 30	74 70	EN 12310-1
Joint strength (N/50mm)		≥ 190	247	EN 12317-1
Moisture resistance factor (µ)		≥ 700.000	1.000.000	EN 1931
Tensile Force (N/50mm)	Longitudinal Transversal	≥ 166 ≥ 192	255 286	EN 12311-1
Elongation at break (%)	Longitudinal Transversal	≥ 10 ≥ 20	25 37	EN 12311-2
Reaction to fire	No performance declared			EN 11925-2 + EN 13501-1

CE certification according to NEN EN 13969 - Damp proofing for building. Certificate no. 0620-CPR-90779/02

Properties	Performance	Typical Value	Test Method
Loop tack (N/ln ² @23°C)	≥ 29	60	ASTM D6195
Peel adhesion strength at 180° (N/10mm @23°C)	≥ 14	19	ASTM D3330
Service temperature	-20°C / +70°C		-
Application temperature	+5°C / +35°C		-

SHELF LIFE / STORAGE

For the best performance it is recommended to apply the tape within 24 months from production date. Store in dry, well-ventilated room and at a max. temperature +30°C. Store above 35°C may lead to reduced shelf life and difficulties to remove release liner. Store only in original packed state.

REMARKS

If applied on porous substrates a primer (type PR3) is strongly recommended. Utilization of a primer is not included in the fire reaction test.

