

BYTUM 1100

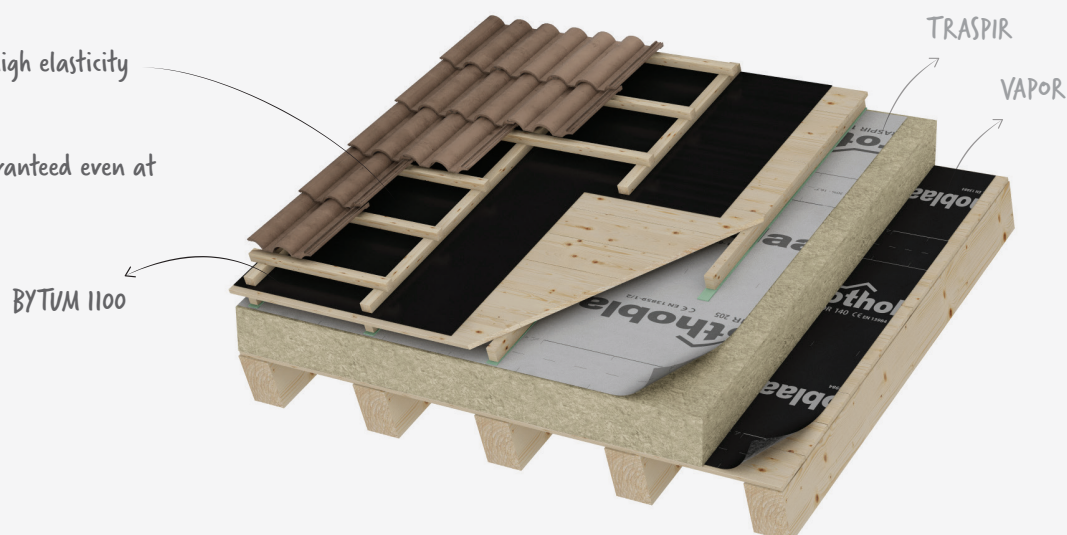
Bituminous underlay control layer

Bituminous compound with polyester (PL) reinforcing layer and polypropylene (PP) coating



Polyester reinforcing layer for high elasticity and mechanical strength

Flexibility and workability guaranteed even at low temperatures

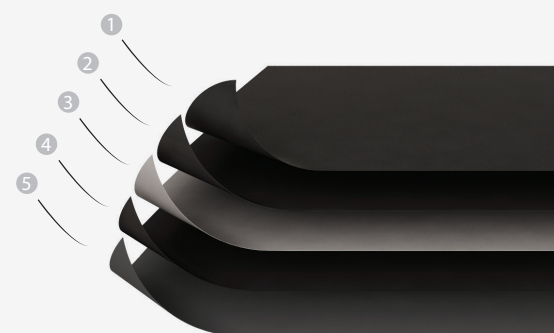


TECHNICAL SPECIFICATIONS

property	standard	value
Mass per unit area	EN 1849-2	1100 g/m ²
Thickness	EN 1849-2	1.1 mm
Straightness	EN 1848-2	conforming
Water vapour transmission (Sd)	EN 1931 / EN ISO 12572	152 m
Maximum tensile force MD/CD	EN 12311-1	700 / 440 N/50 mm
Elongation MD/CD	EN 12311-1	45 / 55 %
Resistance to tearing MD/CD	EN 12310-1	220 / 230 N
Watertightness	EN 1928	class W1
UV resistance *	EN 13859-1	4 months
Temperature resistance	-	-40 / +100 °C
Reaction to fire	EN 13501-1	class E
Resistance to penetration of air	-	0 m ³ /m ² h50Pa
After ageing:		
• maximum tensile force MD/CD	EN 13859-1	665 / 396 N/50 mm
• watertightness	EN 13859-1	class W1
• elongation MD/CD	EN 13859-1	36 / 44 %
Flexibility at low temperature	EN 1109	-40 °C
Dimensional stability	EN 1107-2	-0.5 / 0.5 %
Thermal conductivity (λ)	-	0.17 W/mK
Specific heat	-	850 J/kgK
Density	-	approx. 1000 kg/m ³
Water vapour resistance factor (μ)	-	approx. 152000
Recommended installation pitch	-	> 5°

* for more indications, see page 19

COMPOSITION



- ① top layer: non-woven PP fabric
- ② compound: bituminous mixture
- ③ reinforcing layer: PL fabric
- ④ compound: bituminous mixture
- ⑤ bottom layer: non-woven PP fabric

CODES AND DIMENSIONS

code	ex code	description	tape	H x L [m]	A [m ²]	pcs/
BYT1100	D36602	BYTUM 1100	-	1.0 x 25	25	24

Available with integrated double tape on request (code **BYTTT1100**)

WHERE CAN IT
BE APPLIED?

