

TECHNICAL DATA SHEET

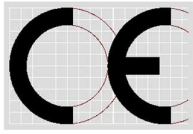
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Product Name:	BÖRNER YEP 6500 Torch-Applied, Polymer Modified Bituminous Underlay
Product Code:	TN747031
Roll Dimensions:	7.00 x 1.0 m
Weight:	6.5 kg/m ²
Product description:	<p>BÖRNER YEP 6500 is a torch-applied, bituminous underlay which is saturated and coated with high quality SBS (Styrene-Butadiene-Styrene) modified bitumen. The membrane carrier is a tough polyester reinforcement, giving the material excellent dimensional stability and very high mechanical strength.</p> <p>The membrane is protected with thermofusible film on its lower surface and fine-grained sand on the upper surface, making the membrane suitable for both torch-on and hot and cold mastics application.</p>
Product use:	<p>BÖRNER YEP 6500 is designed for use as a waterproofing of reinforced concrete slabs of bridge structures with subsequent arrangement of a protective layer, waterproofing of other building structures, foundations, tunnels, subway stations, erected by open method, constructed in all climatic regions. The product is compatible with all common bituminous underlay membranes.</p>

Properties	Test Method	Unit	Declared Performance
Length	EN 1848-1	m	≥ 7.00
Width	EN 1848-1	m	≥ 1.0
Mass per unit area	EN 1849-1	kg/m ²	6.5 (± 5%)
Protective coating (upper surface)	-	-	Sand
Protective coating (lower surface)	-	-	Film
Tensile properties: maximum tensile force	EN 12311-1	N	700 / 500 (± 100)
Tensile properties: elongation	EN 12311-1	%	50 / 50 (± 20)
Flexibility at low temperatures	EN 1109	°C	≤ - 20
Flow resistance at elevated temperatures	EN 12311-1	°C	≥ +90
Reaction to fire	EN 11925-2	-	Class E according to EN 13501-1



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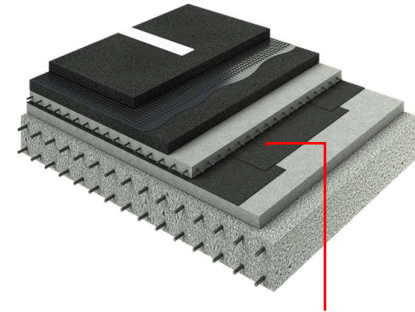
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Features & benefits:

- Manufactured for exceptional quality using German engineering
- Guided (snowflake print) rapid melt film for accurate and consistent torch-on application
- High quality SBS modified bitumen
- Torch-on application
- Designed to perform in harshest weather conditions



BÖRNER YEP 6500

Application Overview:

BÖRNER YEP 6500 membranes are applied by traditional torch-on method onto previously installed base layer, clear of any debris or sharp projections. Primer shall be used to prepare surface for achieving high level of adhesion of waterproofing membrane.

BÖRNER YEP 6500 should be installed in accordance with manufacturer recommendations and all relevant national standards and codes of practice. All operatives using torch guns or hot air guns during installation should be competent, conversant and capable of using such items in a safe and responsible manner. Care must also be taken when using torches and hot air guns in close proximity to combustible materials, decorative coatings and heat sensitive materials.

Storage:

Store in a cool, dry place and protect from direct sunlight.

Health & Safety:

Health and Safety should be observed at all times in accordance with HSE and industry guidance. Specific Risk Assessments and Method Statements should be produced by contractors where necessary to ensure Working at Heights, Fire Safety and Manual Handling rules are compliant with current law and regulations. Health and safety data sheets are available for all materials on request from GEORG BÖRNER Technical Service Department.

Quality Assurance:

BÖRNER YEP 6500 is manufactured following ISO 9001: 2008 Quality Management System and Environmental Management System approved to ISO 14001: 2004.