



## PRODUCT DATA SHEET

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## BTMSEAL E2K NB

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<b>PRODUCT DESCRIPTION</b>	BTMSEAL E2K NB is solvent-free, two-component, transparent, epoxy-based, which is made of resin and hardeners, lining material, especially used for Polyurethane/Polyuria based BTMSEAL products. The product has low viscosity, easy to apply, and it penetrates perfectly to the surfaces. It can be used indoor and outdoor areas, since it does not contain any solvent. After it is cured, it forms a waterproof, fraction-resistant and impermeable film. This film is impermeable and resistant to acid, base, diluted saline solutions, greases oils and petroleum products. Since A and B components are packed in measured amounts, they should be used by getting mixed together in the field of use.			
<b>USAGE</b>	BTMSEAL E2K NB is used on wooden and metal surfaces, as well as on mineral-based surfaces such as plaster, natural stone, concrete and cement finishes. Also can be used as; •Lining layer and moisture barrier in epoxy flooring applications. •Adherence improving lining in epoxy applications. •Lining layer and moisture barrier before polyurethane and polyuria insulating material applications. •Concrete strengthener on loose grounds. •Anticorrosive lining material in construction industry. •Adherence bridge between old and new concrete. •Water and moisture barrier on concrete surfaces.			
<b>APPLICATION METHOD</b>	<b>SURFACE PREPARATION:</b> The surface should be clean, dry and flat, as well as it should be free from dirt, dust, oil, wax, mold and other materials which could negatively affect the performance of BTMSEAL E2K NB. •Any kind of loose, dust-generating, cracked, encrusted and pre-painted surfaces should be cleaned with the help of scrapping, grinding, brushing with wire brush and / or a machine (pressure water spray or sanding). •For metal surfaces, loose rusts, temper, rusts held on the surface and white rusts on the metal surface should be removed with the help of the use of abovementioned methods. This application should be avoided if oxidation (rust) repeats itself. •Damaged or decomposed surfaces should be fixed by using epoxy mortar. •Old painted and uneven surfaces should be grinded. Polished surfaces should be grinded until they tarnish. •Plaster and concrete surfaces on which the material to be applied should be cured. •Tensile strength of concrete application surface should be minimum 1,5 N/mm <sup>2</sup> , and compressive strength should be 25 N/mm <sup>2</sup> . If grout bleeding occurs on concrete surfaces, the surface should be made fit for lining with the help of mechanical methods. <b>MIXING:</b> BTMSEAL E2K NB is supplied as ready-to-use preparations according to its mixture ratio. Before starting to mix, make sure that product temperature is between +15°C and +25°C. Component B should entirely be poured into component A, and make sure that there is no material left in component B. The materials should be mixed using an appropriate mixing paddle and a mixer operating at 300 rpm for 2-3 minutes until a homogenous mixture is obtained, in such a way that no unmixed material is left in or around the package. The mixture is applied on the surface with the help of roll or trowel.			
<b>CONSUMPTION</b>	Wastage should be 200 gr/m <sup>2</sup> during the application. If the product is used as moisture barrier, it should be applied as three coats, and the total wastage should be 450-540 gr/m <sup>2</sup> .			
<b>PACKAGING</b>	A component :15 kg pail, B component:6 kg pail.			
<b>TEST</b>	<b>METHOD</b>	<b>UNIT</b>	<b>TOLERANCE</b>	<b>RESULT</b>
Base	-	-	-	Epoxy
Colour	-	-	-	Transparent-Amber
Density	TS 132	g/ml	±0,05	1,1
Viscosity	ASTM 2196	c P	±100	700-1400
Tack Free time	-	hour	-	6-8
Water vapour Transmission Properties (SD)	EN ISO 7783	m	SD<5	Class I
Bond Strength	EN 1542	N/mm <sup>2</sup>	-	≥1,5
Determination of Liquid Water Permeability (w)	EN 1062-3	kg/m <sup>2</sup> .h <sup>0,5</sup>	-	<0,1
Completion of Cure (23 °C)	-	Day	-	7
Pot life (23 °C)	-	min.	±5	35-45
Application Temperature	-	°C	±5	10-30

\*For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet

The manufacturer reserves the right to modify, at any time, the characteristics of its products

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