

## TECHNICAL DATA SHEET

# ISONEM SB SUPER COMPONENT

(Special Mineral Filled Waterproofing Material)

### Product Description

SB SUPER COMPONENT, It is a highly resistant insulating coating with strong adhesion, excellent water resistance and UV resistance, consisting of a special mineral filler and polymer components. ISONEM SB SUPER COMPONENT does not wear due to its structure, unlike other insulation materials. Therefore, it is very suitable for use on concrete roofs, terraces, walkways, asphalt pavements, tennis courts, and sports areas. The product is not affected by UV, snow, rain, water. If required, all kinds of ceramic, marble and similar coating can be applied on it. Economical and long lasting. No harm to human health.

### Usage Areas

- Concrete terrace and roof insulation,
- Wet area insulation
- Concrete roads, parks, and gardens
- Hidden gutters, gutter-tile, and soffit.

### Technical Specifications

Density (25°C, g/mL)	: 1,40 ± 0,10
pH (25°C)	: 7.0 – 9.0
Viscosity (25°C, mPa.s)	: 9000 - 12000
Solid content (% Weight)	: 74 ± 2
Water transmission rate (kg/ m <sup>2</sup> . h <sup>0,5</sup> )	: < 0,1 CLASS W <sub>3</sub>
Adhesion strength by pull-off test (N/mm <sup>2</sup> )	: Crack bridging flexible systems without trafficking ≥ 0.8, with trafficking 1.5 N/mm <sup>2</sup>
Permeability to water vapour (m)	: 5 ≤ S <sub>D</sub> ≤ 50 CLASS II
Touch-free Drying	: 2 hours
Through-dry time	: 72 hours
Pot life (23°C)	: X
Solvent	: Water
Class of fire reaction	: B S1 d0
Color	: All requested can be produced in colors

### Application Procedure

**Surface preparation:** Firstly the application surface is cleaned from dust, dirt and oil. If there are places that require repairing, it is repaired with ISONEM M 03 Elastic Repair Mortar or ISONEM MS Mortar Repair Mortar. Before application, absorbent substrates should be primed with the ISONEM UNIVERSAL PRIMER (1: 7 diluted with water; 1 part primer, 7 parts water). The primer application should be after a minimum drying time of 4 hours.

**Application method:** ISONEM SB SUPER COMPONENT is a super component ready to use. The product should be selected as summer or winter according to seasonal conditions. 18 - 40 ° C for summer application, 5 - 17 ° C for winter application. The product is mixed homogeneously with the help of a mixer in the bucket for 5 minutes. After the mixture is made ready, ISONEM SB SUPER COMPONENT is applied to the surface in two coats and perpendicular layers to each other. It should be waited minimum of 4 hours between the coats.

## Application Conditions / Limitations

<b><u>Application</u></b>	: In perpendicular to each layers
<b><u>Surface humidity</u></b>	: Dry surface <b>For concrete, marble, granite, raw wood, tile, ceramic,</b>
<b><u>Primer usage</u></b>	: <b>membrane, shingle etc. surfaces:</b> ISONEM UNIVERSAL PRIMER (diluted).
<b><u>Primer consumption</u></b>	: 100 - 200 g/m <sup>2</sup>
<b><u>Product usage</u></b>	: 2 layers
<b><u>Product consumption</u></b>	: 1 kg/m <sup>2</sup> (two layers application)
<b><u>Paintable (Coverage) Area</u></b>	: <b>5 kg:</b> min. 5 m <sup>2</sup> /bucket (two layers application) <b>10 kg:</b> min. 10 m <sup>2</sup> /bucket (two layers application) <b>18 kg:</b> min. 18 m <sup>2</sup> /bucket (two layers application)
<b><u>Between two coats</u></b>	: 4 hours
<b><u>Recommended application tools</u></b>	: Roller (synthetic epoxy), brush, spray
<b><u>Application temperature (°C)</u></b>	: 18 - 40 °C (Summer application) 5 - 17 °C (Winter application)

**Things to consider during and after the application:** The application surface must be clean and free from all impurities like dirt, oil, and mud. There should not be exposed to ponding, snow should not accumulate and also the surface should be inclined. Protect from frost.

**Other ISONEM products recommended:** In primer application, it should be used ISONEM UNIVERSAL PRIMER in absorbent surfaces. Itself should not be used as a primer.

## IMPORTANT

The surface should be protected from rain, water, mechanical loads and impacts for 24 hours during and after the application. Depending on the climatic conditions and air temperature, you must supply the product as summer or winter.

## Packaging & Storage


<b><u>Packaging</u></b>	: 5 kg, 10 kg and 18 kg PP in buckets
<b><u>Storage temperature (°C)</u></b>	: 5 - 35 °C
<b><u>Shelf life</u></b>	: 24 months from date of production if stored in original, unopened, undamaged packages.
<b><u>Storage condition</u></b>	: Store tightly closed in a dry and cool place.

## Cleaning of Tools

Clean all tools and application equipment with clean water immediately after use.

## Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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<b>Isonem Paint and Insulation Technologies Construction Industry Trade Inc. - 35470/İZMİR ITOB OSB 10001 Sok. No:20 Tekeli Menderes / İzmir - TURKEY 19</b>		
<b>2765-CPR-0135 TS EN 1504-2: Surface protection systems for concrete - Coating (SB SUPER COMPONENT) DoP No: 33</b>		
	<b>STANDARD VALUE</b>	<b>CONTROL VALUE</b>
<b>Permeability to water vapour</b>	Class I $S_D < 5$ m (permeable to water vapour) Class II $5 \text{ m} \leq S_D \leq 50$ m Class III $S_D > 50$ m (not permeable to water)	Class II - 40 m
<b>Capillary absorption and permeability to water</b>	$w < 0,1 \text{ kg/m}^2 \cdot \text{h}^{0,5}$	$0,05 \text{ kg/m}^2 \cdot \text{h}^{0,5}$
<b>Adhesion strength by pull-off test</b>	Without trafficking $\geq 0,8 \text{ N/mm}^2$ With trafficking $\geq 1,5 \text{ N/mm}^2$	Crack bridging flexible systems without trafficking $0,8 \text{ N/mm}^2$ with trafficking $1,5 \text{ N/mm}^2$
Dangerous substances comply with 5.4		
Class of fire reaction: B S1 d0		

### Statement of Responsibility

The technical information and application advice given in this ISONEM Paint & Insulation Technologies publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

