

## TECHNICAL DATA SHEET

# ISONEM A4

(Sealing Elastic Filler)

### Product Description

A4 SEALING ELASTIC FILLER, It is a polymer-based mastic which have feature high filler and bridging. It is highly resistant U.V., sun, and weather, is elastic. Single component. It can be painted. It is long-lasting. It is not flammable. It can adhere to all kinds of surfaces absorbent and dry.

### Usage Areas

- In filling cracks before water based paint and coating,
- In dilatation and expansion joints,
- In chimney flashing filter sides,
- Fuga and joints,
- In baseboard, in joint of coatings like stone, ceramic, marble etc.,
- Filling or repairing of cracks or holes,
- In additional joints of prefabricated gutters and facades

### Technical Specifications

Density (25°C, g/mL)	: 1,40 ± 0,10
pH (25°C)	: 7.0 – 9.0
Viscosity (25°C, mPa.s)	: > 70000
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)	: S <sub>D</sub> < 5 m CLASS I
Touch-free Drying	: 3 - 6 hours
Through-dry time	: 72 hours
Pot life (23°C)	: X
Solvent	: Water
Class of fire reaction	: B S1 d0
Color	: White, it can be colored when desired.

### Application Procedure

**Surface preparation:** The surface must be clean and free from factors such as dirt, oil, sludge, etc. that reduce adherence.

**Application method:** After the ISONEM A4 package is opened, it is mixed for 2 minutes until a homogeneous consistency is obtained. If dilatation or expansion joint is made, it is recommended that PE joint backer rod be placed in the joint before the application is made on it. It is recommended to use joint mesh in chamfer detail applications. ISONEM A4, is ready to use, is filled into the prepared surface by using a spatula or by a mastic pump. After filling, the surface is smoothed with a wet sponge. ISONEM A4 should not be applied more than 5 mm at a time.

## Application Conditions / Limitations

<b><u>Application</u></b>	: Crack filling
<b><u>Surface humidity</u></b>	: Dry surface
<b><u>Primer usage</u></b>	: X
<b><u>Primer consumption</u></b>	: X
<b><u>Product usage</u></b>	: Filling material
<b><u>Product consumption</u></b>	: 30 g for 5 mm and 1 m width
<b><u>Paintable (Coverage) Area</u></b>	: 120 m.t/18 kg bucket for 10X10 mm
<b><u>Between two coats</u></b>	: X
<b><u>Recommended application tools</u></b>	: Spatula, mastic pump
<b><u>Application temperature (°C)</u></b>	: 5 - 35 °C

**Things to consider during and after the application:** The application surface must be clean and free from all impurities like dirt, oil, and mud. Do not apply in humid air.

**Other ISONEM products recommended:** -

## IMPORTANT

The surface should be protected from rain, water, mechanical loads and impacts for 24 hours during and after the application.

## Packaging & Storage


<b><u>Packaging</u></b>	: 5 kg and 18 kg in PP 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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Isonem Paint and Insulation Technologies Construction Industry Trade Inc. - 35470/İZMİR İTOB OSB 10001 Sok. No:20 Tekeli Menderes / İzmir - TURKEY 19		
2765-CPR-0136 TS EN 1504-2: Surface protection systems for concrete - Coating (A4) DoP No: 01		
	STANDARD VALUE	CONTROL VALUE
Permeability to water vapour	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 I - 4 m
Capillary absorption and permeability to water	$w < 0,1 \text{ kg/m}^2 \cdot \text{h}^{0,5}$	$0,01 \text{ kg/m}^2 \cdot \text{h}^{0,5}$
Adhesion strength by pull-off test	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.

