

ISONEM A4 TECHNICAL DATA SHEET

Product Name	: ISONEM A4
Type	: One component, acrylic emulsion based, high filling and integration featured, UV resistant elastic mastic
Density (25°C, g/mL)	: 1.40 ± 0.10
pH (25°C)	: 7.0 – 9.0
Viscosity (25°C, mPa.s)	: 60000 - 70000
Solid Content (% Weight)	: 73 ± 2
Water Transmission Rate (kg/ m². h^{0.5})	: ≤ 0.1, CLASS W ₃
Adhesion strength by pull-off test (N/mm²)	: Crack-bridging system trafficking ≥ 1,0 With trafficking ≥ 2,0
Permeability to water vapour (m)	: sD < 5, CLASS I
Brightness (85° angle)	: ≤ 10, CLASS G ₃
Solvent	: Water
Shore A hardness	: 20
E 100 Module (N/cm²)	: 5 (0.5 kg/cm ²)
Heat resistance (°C)	: (-20) – (+80)
Constant elasticity (%)	: 10
Flash Point (°C)	: N/A (not applicable)
Class of Fire Reaction	: B S1 d0
Color	: White, but may be colored upon request.
Packaging	: 18 Kg PE Bucket
Application Temperature (°C)	: 5 – 35
Storage Temperature (°C)	: 5 – 35
Storage Condition/Shelf life	: 24 months from production date, if stored dry condition
Application Tools	: Brush, roller, suitable sprayer

USAGE AREA

- Dilatation and extension joint fillers
- Drainer sides of chimney
- Extension filler and joint fillers

- Sides of roof covering, aluminum, glass, plastic woodwork -Joint points of coverings such as stone, ceramic, marble and etc
- Plinths
- Filling or repairing works of the cracks or the holes
- Joint integration points of prefabricated conduits and fronts

SURFACE PREPARATION

The surfaces should be clean. If any factors reducing the adherence such as free particles, oil, dust and mud are observed on the surface, they should be eliminated. If the concrete surfaces represent dusting or they are very absorbent, should be primed with ISONEM UNIVERSAL PRIMER as one coat with consumption approximately 200-300 gr/m².

APPLICATION METHOD

ISONEM A4 is mixed for 2 minutes until a homogenous form is obtained. ISONEM A4, which is ready to use, is filled into the present surface by means of a spatulas or a mastic pump. Then the surface is smoothed with a wet sponge. ISONEM A4 shouldn't be applied more than 5 mm in one time.

- CONSUMPTION

DIMENSION (mm)	CONSUMPTION (gr)	Per m ³ kg (gr)
5x5	30	30
10x10	150	150
15x10	225	225
25x12	450	450

FEATURES AND BENEFITS

The product based on polymer features high filling and integration feature. It has rather good resistance against UV, sun and weather conditions and it is elastic mastic. The product having single component can be painted, it has long life and it is not flammable, it offers a good adhesion on any kind of surfaces that are absorbent, dry or slightly moist.

This product offers an excellent filling and insulation feature in extension filler of prefabricated structures, dilatations, crack or joint fillers of interior & exterior fronts, joint points of ceramic and stone coverings and integration points of the roof, roof covering, aluminum coverings.