

# Joint SMP 30



High performance adhesive sealant  
(SMP Technology) solvent free

- » Does not turn yellow.
- » Does not create bubbles in the mass during its polymerization
- » Fast polymerization time.
- » Absolutely neutral and almost odorless product.
- » Free from silicone, solvents and isocyanate compounds.
- » Excellent grip even on wet surfaces.
- » Does not corrode thermal insulation materials (e.g. polystyrene) in direct contact
- » Excellent resistance to ageing and UV radiation.
- » Resistance to exposure to wet environments and sea water.
- » Resistance to temperature changes: -40°C to +100°C.
- » Can be painted with the usual types of building paints.

**Joint SMP 30** is a high performance adhesive sealant, based on hybrid resins, with advanced SMP Technology (Silyl Modified Polymer Technology), without solvents. Upon contact with atmospheric air, it turns into an elastic

and cohesive mass, which adheres to a multitude of application surfaces.

It is classified as **F-EXT-INT** sealant for façade elements (**Class F20HM**) according to **EN 15651-1**.

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## FIELD OF APPLICATION

**Joint SMP 30** is suitable for sealing and elastic welding between similar and dissimilar materials in a variety of applications in constructions, hydraulics, industrial use, etc. It is ideal for sealing joints or elastic welding in insulation works, frames, ceilings, roofs, chimneys, gutters, air ducts, panels, car chassis, etc. In direct contact with thermal insulation materials (e.g. polystyrene) there is no corrosion as it does

not contain solvents. It has excellent adhesion to a wide variety of substrates such as concrete, wood, metal, plastic, glass, marble, etc.

Seals gaps, cracks or joints instantly, even while they are leaking (joint does not need to be dry to apply). It applies perfectly in both high and low temperatures, even during rain.

<b>TECHNICAL DATA</b> A. Uncured Material	
Thixotropic	Does not sag
Skim Forming Time	30 min (20°C/50% R.H.)
Curing Speed	3 mm/day
Density (at 23°C)	1,64 g/ml

<b>TECHNICAL DATA</b> B. Cured Material	
SHORE A Hardness (ISO 868)	55
Elongation at break (DIN 53504)	350%
Tension at 100% extension (DIN 53504)	1,1 N/mm <sup>2</sup>
Tensile Strength (DIN 53504)	2,1 N/mm <sup>2</sup>

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## DIRECTIONS FOR USE:

**1. SUBSTRATE - PREPARATION:** To ensure good adhesion substrate should be sound, clean, free of dust, oil and loose elements. Generally, no primer is required even on concrete surfaces. On particularly porous or fragile surfaces, it is recommended to apply the micromolecular primer **Eco Dur Aqua** by **KRAFT Paints** to strengthen the adhesion surface.

**2. APPLICATION:** For 5-15mm wide joints the sealing depth is adjusted to be equal to the width of the joint. For larger joints and up to a width of 50mm, the sealing depth is set to 50% of the width. The sealing depth is regulated, where necessary, with the «back filling» method (e.g. expanded polyethylene cord), thus avoiding the adhesion

of the material to the bottom, which prevents the free monitoring of contractions and expansions. If the depth of the joint does not allow installation with the "back filling" method, it is recommended to install polyethylene film on the bottom, to avoid adhesion.

The nozzle of the cartridge/sausage is cut diagonally, so as to form an opening proportional to the sealing width. The cartridge/sausage is placed in a hand gun or air gun and the material is placed in the joint. The surface of the material is shaped with a spatula, so that a slightly negative meniscus is formed

**3. CLEANING OF TOOLS:** Cleaning of the excess unpolymerized material is done with a common solvent. Hardened material can only be removed by scraping.

## IMPORTANT NOTES:

It is recommended that the application be carried out between +5 and +35°C. It can be painted with the usual types of water-based paints and


2-component industrial paints. Compatibility should be checked if alkyd paints are used.

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## CONSUMPTION

The consumption has great variations and depends on the geometry of the substrate.

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<b>22</b> DoP No 01.04 <b>KRAFT Joint SMP 30 (F20HM)</b> <b>EN 15651-1:2012</b> Sealant for façade elements	
Reaction to fire	Class E
Resistance to flow	0 mm
Loss of volume	≤ 3 %
Determination of adhesion / cohesion at variable temperatures	No Failure
Tensile properties at maintained extension T=23 °C to fire	No Failure
Tensile properties at maintained extension T=-20 °C	No Failure
Tensile properties at maintained extension after immersion in water	No Failure
Durability	Pass
Release of Chemicals	See SDS

## PACKAGING – SHADES

The product is packaged in 600mL aluminum sausages in White shade.  
Each paper carton consists of 15 aluminum sausages.

## STORAGE

It is stored in a dry environment, in a place protected from moisture, in its original packaging and for at least 12 months from the date of production.

## HEALTH, SAFETY

### & ENVIRONMENTAL INFORMATION

Carefully read and follow all cautions and warnings on product label. For further information, refer to the Material Safety Data Sheet of this product.

Poison Centre Tel:

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05/2023 THIS TECHNICAL DATA SHEET SUPERSEDES ALL PREVIOUS EDITIONS RELEVANT TO THIS PRODUCT

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**DISCLAIMER:** The above technical data, information, recommendations and guidance are based on scientific and technical knowledge, laboratory studies and long experience. However, the above information is considered to be as indicative and should be reviewed in any case in relation to each specific application conditions. Consequently, the suitability of each product in any application must be evaluated after referring to the updated Technical Data Sheet and to the website [www.kraftpaints.gr](http://www.kraftpaints.gr), as well as after contacting the technical support department, in case of necessity. Our company guarantees the quality of the product itself, whilst in any case the user/applicant is exclusively responsible for any undesirable failures after using the product.

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