

# APSEGOM 30

ONE-COMPONENT ELASTOMERIC  
POLYURETHANE SEALANT



## DESCRIPTION

APSEGOM 30 is a single-component thixotropic polyurethane sealant, particularly suitable for sealing joints in industrial floors subjected to mechanical stress and/or the action of aggressive chemicals. APSEGOM 30 hardens by reaction with air and becomes a perfectly compact elastic mass within a few hours.

Available colors: White or black; gray, beige or brown on request.

## FIELDS OF USE

APSEGOM 30, allows the filling of construction and connection joints, subject to small movements and settling, such as:

- Expansion joints in industrial floors, collars around clamps, pipes, uprights;
- Flanges and collars in adherence to masonry;
- Metal perimeter flashings of roofing canopies;
- Joints of ventilated facades subject to small movements.

## ADHESION MATERIALS

APSEGOM 30 ensures excellent adhesion on materials of various kinds, from the industrial, automotive, marine, etc.

- Cement subfloors;
- Stone;
- Raw steel, galvanized, stainless, pre-painted and plasticized;
- Aluminium;
- Wood;
- Synthetic resins, plastic and rubber;
- Construction materials in general;
- Glass;
- Tiles;
- PVC.

## PACKAGING

Cardboard boxes containing:  
25 Aluminium cartridges of 300 ml  
15 Aluminium bags of 600 ml

## CONSUMPTION

approx. 80-100 gr/m<sup>2</sup> (H 4 mm W 4 mm).

## CHARACTERISTICS AND BENEFITS

- Performance of permanent elasticity and movement capacity;
- Ability to adhere between surfaces of different materials;
- Easy application at temperatures from +5°C to +40°C;
- Excellent resistance to UV rays and moisture over time;
- High mechanical strength;
- Good surface hardness;
- High tear resistance;;
- Resistance to shear propagation in case of engraving even in seals subject to expansion;
- Absence of halos and spots on the report in areas adjacent to the sealings;
- Over-paintable.

## CERTIFICATIONS

APSEGOM 30 complies with standard EN 15651-1: Sealants for use in facades (DoP No. 496).

ISO 9001 certified quality management system (Certificate No. IT.17.0227.01.QMS).

APSE S.r.l is an active member of CONPAVIPER.



## PRODUCT PREPARATION

All surfaces must be perfectly clean and dry, free of dust, grease or loose parts. Surfaces must be degreased with solvent and dust must be removed by suction or with an oil-free compressed air gun.

The sealant must be able to move freely and must not adhere to the bottom of the joint.

For the correct sizing of the joint, a closed-cell polyethylene cord must be inserted at the correct depth (see our product MOUSSE FONDO GIUNTI).

Apply with a brush, if necessary, on the joints walls a coat of PAVINRESIN MONO for cementitious or metallic substrates, 1-3 hours before applying APSEGOM 30.

For applications on other materials, consult in advance our technical office



## PRODUCT PREPARATION AND APPLICATION

### 300cc. cartridge

- Drill the membrane on the cartridge and insert the nozzle by pressure, after having cut its end obliquely.
- Insert the cartridge into the extrusion gun with the nozzle already fitted and start the extrusion of the sealant.

### 600cc. aluminium bag

- Extrude the contents of this pack by means of the appropriate tube guns cutting one of the ends of the pack.

### CURING

Refer to the table below for drying and curing times (at 20°C).

Dust free	35-45 minutes
Surface film formation	2-4 hours
Walkability (3 mm thickness)	24 hours

### CLEANING OF TOOLS

Tools used for the application of APSEGOM 30 must be cleaned immediately after use with DILUPOL solvent.

### HEALTH AND SAFETY

For information on safety regulations, hazard statements and precautionary advice, rely on the latest MSDS by making a request at:

[ufficiotecnico@apsebg.it](mailto:ufficiotecnico@apsebg.it)

### STORAGE

Shelf life of 9-12 months when stored in original packaging in a dry, moisture-free place. Store at temperatures between +5°C and +35°C.

### DISPOSAL

Dispose of contents and/or container in accordance with local regulations.


**PRODUCT TECHNICAL DATA**
**PHYSICAL CHARACTERISTICS OF THE MIXTURE (at +20°C)**

CHARACTERISTIC	STANDARD	RESULT
Colour	-	Grey
Consistency of the mixture	-	Paste
Specific weight of the mixture	EN ISO 2811-1	1.64 ± 0.05 g/cm <sup>3</sup>

**PRODUCT PERFORMANCE IN OPERATION**

CHARACTERISTIC	STANDARD	RESULT
SHORE A hardness	ISO 868	25 ± 5
Movement capability	EN ISO 9047	25%
Elastic recovery (100% elongation for 24 h)	EN ISO 7389	90%
Tensile strength	DIN 53504	1,32 N/mm <sup>2</sup>
Elongation at break	DIN 53504	880%
Secant modulus of elasticity (at 100% elongation)	DIN 53504	0,42 N/mm <sup>2</sup>
Service temperature	-	From -40°C to +90°C
Weather resistance	-	Excellent
Curing shrinkage	-	< 1%

**PRODUCT PERFORMANCE ACCORDING TO STANDARD EN 15651-1**

CHARACTERISTIC	STANDARD	RESULT
Reaction to fire	EN 13501-1	Class E
Flow resistance at 50°C and 50% R.H.	EN ISO 7390	0 mm
Volume loss	EN 15651-1	≤ 10%
Tensile properties maintained after immersion in water	EN ISO 10590	No breakage
Determination of adhesion/cohesion at variable temperatures	EN ISO 9047	No breakage
Tensile properties	EN ISO 8339	Modules 0.21 (-20°C) 0.22 (+23°C) Elongation at break 565% (+23°C)
Tensile properties and elongation retention (-20°C and +23°C)	EN ISO 8340	Pass
Durability	EN 15651-1	Pass

**CHEMICAL RESISTANCE**

FEATURE	STANDARD	RESULT
Continued immersion for 50 g in the liquids: <ul style="list-style-type: none"> <li>• Chlorhydric acid 10% 10%</li> <li>• Solphoric acid 20%</li> <li>• Acetic acid 20%</li> <li>• Lactic acid 10%</li> <li>• Oleic acid 10%</li> <li>• Formic acid 10%</li> <li>• Citric acid 10%</li> <li>• Caustic soda 20%</li> <li>• Sol. Calcium chloride 50%</li> <li>• Ammonia 10%</li> <li>• Hydrogen peroxide 10%</li> <li>• Formaldehyde 30%</li> <li>• Naphtha 40%</li> <li>• Diesel 40%</li> <li>• Petrol 40%</li> <li>• Zylol 40%</li> <li>• Methyl isobutyl ketone 40%</li> <li>• Ethyl alcohol 40%</li> </ul>	EN 13529	APSEGOM 30 remains fully unchanged
For other substances that may occasionally come into contact with APSEGOM 30, please contact our Technical Service.		

The data given above are information obtained from our best technical knowledge, application, and research experience. However, since we are unable to intervene directly in site conditions and work execution, they represent general indications that do not bind APSE S.r.l. in any way. - V&V Group. The information given does not relieve the purchaser of his responsibility to personally test our products as to their suitability with regard to their intended use. The customer is also responsible for verifying that this data sheet is valid for the batch of product of interest to him and is not outdated as superseded by later editions. If in doubt, contact our Technical Department in advance. APSE S.r.l. - V&V Group reserves the right to make technical changes of any kind without prior notice. This revision cancels and supersedes any previous revision, all under the continuous verification of the data according to the new current Standards and our ISO 9001 management system. Please feel free to check the most up-to-date version of this Data Sheet on our website: [www.apse.it](http://www.apse.it)

