

APSEGOM 40

COATING WITH HIGH CHEMICAL,
SOLVENT AND ABRASION RESISTANCE



DESCRIPTION

APSEGOM 40 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 40 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 40, 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 40 ensures excellent adhesion on materials of various kinds, from the industrial, automotive, marine, etc.

- Cementitious substrates;
- Stone;
- Raw, galvanized, stainless, pre-painted and plasticized steel;
- Aluminum;
- Wood;
- Synthetic resins, plastics and rubber;
- Construction materials in general;
- Glass;
- Tiles;
- PVC.

PACKAGING

Cardboard boxes containing:
25 Aluminum cartridges of ml 300
15 Aluminum pouches of ml 600

CONSUMPTION

approx. 80-100 gr/m² (H 4 mm W 4 mm)

CHARACTERISTICS AND BENEFITS

- Performance of permanent elasticity and ability to move;
- Adhesion ability 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;
- Great tear resistance;
- Resistance to shear propagation in case of etching even in seals subject to expansion;
- Absence of halos and stains on the report in areas adjacent to the seals;
- Over-paintable.

CERTIFICATIONS

APSEGOM 40 complies with standard EN 15651-1: Sealants for facade elements (DoP No. 497). ISO 9001 certified quality management system (Certificate No. IT.17.0227.01.QMS). APSE S.r.l. is an active member of CONPAVIPER.



SUBSTRATE 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 vacuum or oil-free air gun.

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

A closed-cell polyethylene bead (our product APSEGOM 40) should be inserted at the correct depth for proper joint resizing.

Apply a coat of PAVINRESIN MONO for cement or metal substrates to the joint walls by brush, if necessary, 1-3 hours before applying APSEGOM 40. For application to other materials, consult our technical department in advance.



PRODUCT PREPARATION AND APPLICATION

300cc cartridge

- Puncture the membrane on the cartridge and press fit the nozzle, after cutting the end of the nozzle obliquely.
- Insert the cartridge bearing the already mounted nozzle into the extrusion gun and begin extruding the sealant.

600cc aluminum pouch

- Extrude the contents of that package by means of the appropriate tube guns by cutting off one end of the package.

CURING

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

Dust-free time	25 minutes
Walkability (3mm thickness)	24 hours

CLEANING OF EQUIPMENT

Equipment used for the application of APSEGOM 40 should 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 to:

ufficiotecnico@apsebg.it

STORAGE

The product can be stored for 9-12 months in tightly closed containers in cool and dry conditions 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)

FEATURE	STANDARD	RESULT
Color	-	Grey
Consistency of the mixture	-	Paste
Mixture specific gravity	EN ISO 2811-1	1,64 ± 0,05 g/cm ³

PRODUCT PERFORMANCE IN OPERATION

FEATURE	STANDARD	RESULT
SHORE A Hardness	ISO 868	57
Elongation at break	DIN 53504	350%
Tensile strength	ISO 8339	4,1 N/mm ²
Expected elongation and contractions in service	ISO 8339	Max 100% elongation 1,6 N/mm ²
Operating temperature	-	Up to +90°C
Weathering resistance	-	Excellent
Shrinkage due to hardening	-	< 1%

PRODUCT PERFORMANCE ACCORDING TO EN 15651-1 STANDARD

FEATURE	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%
Determination of adhesion/cohesion at variable temperatures	EN ISO 9047	No breakage
Tensile properties and extension retention (+23°C)	EN ISO 8340	No breakage
Tensile properties and extension retention (-30°C)	EN ISO 8340	No breakage
Tensile properties and extension retention after immersion in water	EN ISO 10590	No breakage
Durability	EN 15651-1	Pass


CHEMICAL RESISTANCES

FEATURE	STANDARD	RESULT
Continuous immersion for 50 gg in the liquids: <ul style="list-style-type: none"> - Chlorhydric acid 10% - Solphoric acid 20% - Acetic acid 20% - Lactic acid 10% - Oleic acid 10% - Formic acid 10% - Citric acid 10% - Caustic soda 20% - Sol. Calcium chloride 50% - Ammonia 10% - Acqua ossigenata 10% Formaldehyde 30% - Naphtha 40% - Gasoline 40% - Benzine 40% - Zilolo 40% - Methylsobutylchetone 40% - Ethyl alcohol 40% 	EN 13529	APSEGOM 40 remains perfectly unchanged.
For other substances that may occasionally come into contact with APSEGOM 40, please consult our Technical Service		

The above data are information obtained based on 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 all previous ones, all under the continuous verification of 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
