ATLAS FLEXIBLE UNIVERSAL CAULK

flexible acrylic sealant

- excellent grip
- easy application and profiling
- painting after just 30 minutes*
- increased resistance to shrinkage and cracking
- white

Properties

ATLAS FLEXIBLE UNIVERSAL CAULK is a plastic-elastic acrylic sealant, available in white.

It has very good adhesion to many materials without priming, even when the substrate is damp.

The caulk surface can be painted with typical interior paints.

Can be painted - approx. 30 minutes (for a joint width of 5 mm).

Minimised formation of cracks and fissures.

Low shrinkage.

High temperature resistance - from -25°C to + 80°C.

High white levels.

Use

For filling of joints, seams, corners, cracks in walls and ceilings.

Substrate types: concrete, plaster, gypsum, putty, wood, MDF, HDF, chipboard, ceramic, steel, PVC and similar plastics.

Sealing of joints in plasterboard drywall, mouldings, built-in wardrobes, window sills, stair constructions, roller shutters, window and door frames, plinths, cornices, stucco, coffers, rosettes.

For indoor use on horizontal and vertical surfaces.

Technical data

ATLAS ELASTIC UNIVERSAL CAULK is a plastic-flexible caulk sealer without the need for primer. .

Curing system	under the influence of evaporation of water
Density	1.65 g/cm^3
Application temperature	from +5 °C to +40 °C
Joint width	up to 10 mm
Skin formation/joint binding	up to 15 minutes
Full curing time	1 mm/24 hours
Thermal resistance during use	-25 °C to +80 °C

The times shown in the table are recommended for application conditions at +23 °C and 50 % humidity.

Technical requirements

The product complies with the requirements of EN 15651-1:2012.

ATLAS ELASTYCZNY AKRYL UNIWERSALNY (2023) Declaration of performance No. 283/CPR	
EN 15651-1:2012 Sealants for indoor use	
Reaction to fire	E
Water and gas tight: - resistance to run-off - loss in volume - mechanical properties - elongation at break (23 °C)	 ≤ 3 mm ≤ 25 % ≥ 100 %

Application

Substrate preparation

The substrate should be dry, clean and thoroughly degreased. Porous and absorbent substrates need not be completely dry. Substrates requiring priming with ATLAS NKP or ATLAS UNI-GRUNT:
- highly porous, such as cellular concrete, sandstone, etc.
- absorbent, such as lime-cement and gypsum plaster, plasterboard and their cut edges, etc..

If there is any doubt about the adhesion, it is recommended to carry out a test by applying the caulk to a small area and test peeling off after curing.
Fill deep joints first with foam expansion cord, placing it at the required depth. For shallow joints, cover the underside of the joint with PE tape.
Secure edges of joints with masking tape to avoid contamination. Tear off the tape as soon as the acrylic compound has been applied and shaped.

Seal size

Caulk is recommended to be used preferably for joints up to 5 mm wide. For joint widths greater than 5 mm, it may be necessary to fill the space on "two or more times" after the first layer has set. For joint widths above 10 mm, the joint depth should not exceed 5 mm.

Directions for use

Before using the acrylic, remove the applicator and cut off the end of the cartridge tube. Then put the applicator back on and cut it, preferably at an angle, to a width corresponding to the size of the joint. Fit the cartouche thus prepared into the caulk extrusion gun. Squeeze the material evenly into the joints. Profile the surface of the caulk before it begins to harden - within 20 minutes of applying the acrylic. Smooth the caulk with a spatula or with your finger, soaking in water with a little soap. Tear off the masking tape as soon as the caulk compound has been applied and profiled.
The surface of the joint must not be directly affected by water.

Painting

The surface of the caulk can be painted with paints:

latex	+
acrylic	+
ceramic	+

Can be painted:
- for joints up to 5 mm wide - after 1 minute,
- for joints over 5 mm - it is recommended to wait an additional 10-20 minutes.

Due to the continuous development of paint technology, it is advisable to carry out a test and check the compatibility of the paint with the sealant.

Tools

Handgun or electric gun.

Efficiency

Yield per pack approximately 7 m, with a joint width of 5 mm. The values given are estimates, subject to losses and processing losses.

Packaging

Plastic cartridges: 280 ml.

Safety information

Safety information is given on the product packaging and in the Safety Data Sheet, available at www.atlas.com.pl.

Storage and transport

Information on storage and transport is given on the product packaging and in the Safety Data Sheet, available at www.atlas.com.pl.

The shelf life of the product (useful life) is 24 months from the date of manufacture indicated on the packaging.

Important additional information

Do not use on materials such as natural stone and marble, PE, PP, PC, PMMA, PTFE, soft plastics, substrates containing tar or bitumen.

Do not use outdoors or in areas permanently exposed to water.

Before using acrylic, it is advisable to carry out an adhesion test on the substrate.

Caulk seals release water during setting, resulting in low shrinkage. This can result in cracking of a paint coat applied too quickly. Discolouration may occur if coloured dispersion paints are used.

Clean fresh dirt that has formed on the caulk with water. Cured caulk can only be removed mechanically.

The information contained in this Technical Data Sheet is a basic guideline for the use of the product and does not relieve the user of the obligation to carry out the work in accordance with the rules of the art of construction and safety regulations. With the issue of this Technical Data Sheet, all previous ones are no longer valid. Documents accompanying the product are available at www.atlas.com.pl.

Update date: 2023-10-16