

180 AQ Contact Adhesive

Product description

180 AQ Contact Adhesive is a waterbased, universal, liquid and solvent-free contact adhesive based upon polychloroprene rubbers.

Properties

- Ready to use
- Fast build-up of end strength
- Low consumption
- Solvent-free
- Immediately fixed
- Applicable with brush, roller or spray installation
- Moisture resistant
- Heat resistant (until +105°C)
- Chemical resistant against weak acids and bases



Applications

- Used in two-sided adhesions on various materials, wood and stratified decorative coveringpanels (Formica®, Resopal®,...), veneer, stairsteps and nosings, PVCplinth, leather, cork, textile, with each other for wood, stone, concrete, plaster, metal and other smooth, non-porous surfaces
- Can be used for adhesion between polystyrene foam (PS) (Isomo®, Styropor®, Frigolit®, Kemisol®, Hisfa®, ...), foam rubber, polyether foam
- Specifically for adhesions on higher temperatures (+105°C)

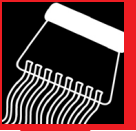
Technical data

Base	Polychloroprene rubber
Consistency	Liquid
Curing system	Physical drying and crystallisation
Drying time	ca. 72 hours
Density	ca. 1,10 g/ml
Viscosity	ca. 2.000 mPa.s
Open time	ca. 120 minutes
Consumption	100 - 300 ml/m ² , each side
Application temperature	15°C - 30°C
Temperature resistance	-20°C → +105°C
Solid content	ca. 55%
Evaporation time	ca. 20 minutes

Footnote: evaporation time, open time and curing speed may vary depending on environmental factors such as temperature, moisture, and type of substrates.

Substrates

- Substrate condition
The materials should be flat and well fitting as well as clean, dry and free of dust and grease.



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- Substrate preparation
No pretreatment required. Rough grinding of smooth surfaces improves the adhesion. All substrates should be tested for suitability with regard to adhesion and compatibility.
- Substrate types
180 AQ Contact Adhesive has a good adhesion to following substrates: all common materials. 180 AQ Contact Adhesive has no good adhesion or is not suitable for PS (polystyrene), PE, PP, PTFE (Teflon®). We recommend a preliminary adhesion and compatibility test on every surface.

Application method

- Application method
Apply the adhesive on both sides with a hard brush, roller or gun. Apply in a thin uniform layer. For strong porous materials (plaster, concrete, ...) a second layer can be applied after drying of the first layer ($\pm$ 30 min). Wait for ca. 20 minutes and join both parts together. Afterwards push firmly. The applied pressure and not the duration of the compression will determine the ultimate strength of the bond.
- Cleaning method
Apply solvent cleaner to a cloth to wipe off uncured product.
- Repair method
Repair with the same material.

Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult the packaging label and safety data sheet for more information.
Spray only in well-ventilated areas.

Packaging/Logistics

Packaging: Various sizes available. Please consult the product catalogue, the Soudal website or a Soudal representative.
Shelf life: 12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C

Remarks

- The applied pressure and not the duration of the pressure will determine the ultimate strength of the bond.
- 180 AQ Contact Adhesive can be sprayed with the conventional spray installations for waterbased products, but also with Airless/Air Assist spray systems. Make sure to use inox or plastic parts. Pressure vessels are preferred over membrane pumps, plunger pumps aren't recommended. As material for the tubes, nylon, teflon® or flexible polyethylene is recommended. When compressed air is used, make sure the oil- and waterfilter works sufficient. After usage always clean immediately with lukewarm water.
- 180 AQ Contact Adhesive is a waterbased product with a longer evaporation time because water evaporates slower as the usual solvents. The usual evaporation times are about 20 min, this can be shortened by a higher air circulation above the glued surface with i.a. a ventilator. If the air is heated, the evaporation time can be shortened until about 5min.
- Once the maximum open time is exceeded and the adhesive is too dry to bond, the surface can be reactivated with an extra thin layer of 180 AQ Contact Adhesive
- Bondings with 180 AQ Contact Adhesive are immediately fixed. Cropping and sawing is possible immediately after applying and pressing together.
- Adhesions with 180 AQ Contact Adhesive can resist temperatures up to +105°C, but exposure to temperatures higher as 65°C or sunlight is only allowed after 72h.

This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. It is general in nature and does not constitute any liability. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions are beyond our control, no liability under this publication is accepted. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application. In every case it is recommended to carry out preliminary experiments. The manufacturer reserves the right to modify products without prior notice.