



MEGAFIX® / P86

TECHNICAL DOCUMENTATION



MEGAFIX P86 IS A 1-COMPONENT ADHESIVE BASED ON POLYURETHANE FOR INDOOR AND OUTDOOR APPLICATION

CHARACTERISTIC

- Excellent adhesion on metals.
- Foaming.
- Fills cavities.
- Long skin-formation.
- Long processing time.
- Tensile strength after 7 days - approx. 14.000 N (IFT-test certificate)
- Only for professional users. Please observe the material safety data sheet.

FIELDS OF APPLICATION

- General bonding in metal construction.
- Weathering resistant bonding of corner joints on metal windows, doors, façades and conservatories.
- Bonding of modified wood.

APPLICATION INFORMATION

- The moisture necessary for curing can be achieved by slightly spraying with water.
- The adherent surfaces may be moist, but not wet.
- The parts should be assembled immediately if possible, at the latest however within the skin-forming time.
- Curing time can be reduced by humidification and increased temperatures.
- Fix the substrates, which are to be bonded, until the adhesive is completely cured.
- Due to the many possible influences during and after application, the customer always has to carry out trials first.

IMPORTANT INFORMATION

Before applying this product the user has to ensure that the materials in the area of contact (solid, liquid and gaseous) are compatible with it and also amongst each other and do not damage or alter (e.g. discolour) each other. As for the materials that will be used at a later stage in the surrounding area of the product the user has to clarify beforehand that the substances of content or evaporations do not lead to an impairment or alteration (e.g. discolouration) of the product. In case of doubt the user should consult the respective manufacturer of the material.

For adhesion in external areas with impact of humidity and/or UV-radiation in external areas we recommend the use of MegaStrong. This excludes weathering-stressed adhesion of wood and wood derived timber products with subsequent protective coating according to DIN EN 204 D4.

BELNED SEALANTS

ADHESIVE



Paints, lacquers, plastics and any other coatings must be compatible to the adhesive/sealant.

Clean the tools, e.g. spatula, with a cleaner before the adhesive has cured. The cured adhesive can only be removed mechanically.

In case of UV-radiation stress discolourations may occur.

Not suitable for the bonding of glass, polyethylene (PE), polypropylene (PP), polyamide (PA), polytetrafluorethylene (PTFE), bituminous, waxy or oily substrates or similar.

PRETREATMENT

All adherent surfaces must be clean and any contaminant such as release agents, preserving agents, grease, oil, dust, water, old adhesives or sealants and other substances which could affect adhesion, should be removed. Cleaning of non-porous substrates: Apply a cleaner using a clean, lint-free cotton cloth. Cleaning porous substrates: Clean surfaces with steel-wire brush e.g. or a grinding disk to remove loose particles. The adherent surfaces have to be clean, free from dust and grease as well as sustainable.

TECHNICAL PROPERTIES MEGAFIX®/P86

Open time at 23°C/50% RH (minutes)	~ 20
Processing temperature from/to (°C)	+5 / +35
Viscosity at 23°C	pasty, stable
Density at 23°C according to ISO 1183-1, (g/cm ³)	~ 1,1
Temperature resistance from/to (°C)	-30 / +80 (1)
Tensile strength of corner bonding after 24 hours (N)	~ 5.900 (2)
Tensile strength of corner bonding after 7 days (N)	~ 14.000 (2)
Shelf life at 23°C/50% RH (months)	12

1) Temporarily +100°C

2) Test sample aluminium corner joints, System WICSTYLE 50 EN, Fa. Wicona

These data are not suitable for the issue of specifications. Please contact Belned BV before issuing specifications.

PACKAGING

310ml cartridge, translucent, 20 cartridges/packaging unit, number 065512.

SHELF LIFE

Please observe the recommended shelf life which is printed on the packaging. We recommend to store our products in unopened original packaging dry (< 60% RH) at temperatures of +15°C up to +25°C. If the products are stored and/or transported at higher temperatures/air humidity for longer periods (some weeks), a diminution of durability or a change of material characteristics may arise.

STANDARDS AND TESTS

- Tensile strength tested by the IFT Rosenheim, Germany (Institute for Window Techniques).
- According to the requirements of DIN EN 204-D4 to weathering resistant bondings of wood and derived wood products.
- According to the requirements of DIN EN 14257 (WATT 91) to temperature-resistant bondings of wood and derived wood products.
- Expertise about the use of MEGAFIX P86 for bonding modified wood (Georg-August-University Göttingen, Germany).
- Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants).
- Conform to LEED® v3 IEQ-credits 4.1 adhesives and sealants.
- French VOC-emission class A+.

HEALTH & SAFETY

After curing the product is completely odourless. Please observe the material safety data sheet.

WARRANTY & LIABILITY

Belned BV guarantees that its product will meet the specifications during its shelf life. Liability shall never exceed that stipulated in our terms and conditions of sale and supply. Under no circumstances shall the seller be held liable for any consequential damages. The information provided is the result of our testing and experience and is general in nature. However, it does not entail any liability. Users are responsible for performing their own tests to determine whether the product is suitable for the application.