

Product

Monocomponent adhesive based on polyurethane. Curing takes place by reaction with the humidity of the air.

Application examples

- general bonding in metal construction
- weather-resistant bonding of corner joints on metal windows, doors and façades as well as conservatories
- bonding of modified wood

Colours

Transparent and white

Packaging

Cartridges of 310 ml
Aluminium films of 400 and 580 ml

Advantages/properties

- ✓ excellent adhesion on metal
- ✓ easy maintenance
- ✓ long skin formation time
- ✓ Optimal filling of hollow spaces through light foam formation
- ✓ economical in consumption
- ✓ tensile strength after 7 days - approx. 14,000 N (ift inspection report)

Special instructions

When processing OTTOCOLL® P86 into aluminium sausage guns, use guns with a metal tube.

The processing tools can be cleaned with OTTO Cleaner MP as long as the adhesive is not cured. Cured adhesive can only be removed mechanically.

Preparation of the bonding surfaces

Tolerance

Paints, lacquers, plastics and other covering materials must be compatible with the adhesive/sealant.

Cleaning

The bonding surfaces must be cleaned and all contaminants such as solvents, preservatives, grease, oil, dust, water, residues of adhesives/sealants as well as other substances that may have a negative effect on adhesion must be removed.

Cleaning products for non-porous substrates

Cleaning should be done with OTTO Cleaner T, methylated spirit or other cleaning products based on acetone or isopropanol. Use a clean and lint-free cloth.



Technical properties

Property	Value + unit
Basis	polyurethane
Curing	by reaction with air humidity
Specific gravity at 23°C (ISO 1183-1)	1,5 g/cm ³ (white) 1,1 g/cm ³ (transparent)
Viscosity at 23°C	pasty, stable
Temperature resistance	-30°C to +80°C (briefly +100°C)
Application temperature	+5°C to +35°C
Processing time (100 g, 23°C, 50% RH)	~20 minutes
Functional stability with corner support. Bonding after	
• 24 h	~ 5.900 N
• 7 days	~ 14.000 N
Standards and inspections	- EN 204-D4 - DIN EN 14257 (WATT91) - LEED® according to IEQ-credits 4.1 adhesives - French VOC emissions class A+
Shelf life (23°C, 50% RH)	12 months after production date, in the original, unopened packaging

Cleaning products for porous substrates

Porous surfaces should be removed mechanically from loose particles, e.g. with a wire brush or a grinding wheel.

OTTOCOLL® P86

Processing instruction

Lightly spray the parts to be bonded with water, apply OTTOCOLL® P 86 and join together within the skin formation time of approx. 20 minutes. Keep the raw materials to be bonded immobile until the adhesive has hardened. The bonded parts are load-bearing after approx. 2 hours.

Due to the many possible influences during processing and the application it is always advisable to test the product in advance. The specific expiry date is stated on the packaging and must be observed.

Note

OTTOCOLL® P 86 is not suitable for bonding glass, polyethylene (PE), polypropylene (PP), polyamide (PA), polytetrafluoroethylene (PTFE), waxy and bituminous substrates, etc.

In the event of UV exposure, discolouration cannot be excluded.

The curing of Ottocoll P86® is carried out by reaction with humidity. Small amounts of CO₂ are formed, which slightly increases the volume of the adhesive.

Usage precautions

A Product Safety Data Sheet (MSDS) is available on request.

Storage

In the original, unopened packaging, dry (>60% R.H.) and at a temperature between +15°C and +25°C.

Also available in a two-component version:

Type Ottocoll® P520

Packaging:

Tandem cartridges of 2x190 or 2x310 ml

Colour: cream white



General information

The information contained in this document is provided in good faith and is believed to be correct. However, we have no influence on the conditions in which these products are used or the methods by which they are used. Therefore, this information is not a substitute for tests which the customer must perform himself/herself in order to ensure that the products are safe, effective and achieve the intended purposes. Suggestions regarding the use of the product must not be used as grounds for infringement of any patent whatsoever. The only guarantee Castelein Sealants offers is that this product complies with the Castelein Sealants terms and conditions of sale in force at the time of shipment. Your only remedy in the event of a breach of this guarantee is the refund of the purchase price or the replacement of the product that does not comply with the guarantee.

Technical data of supplier: 12 2014

The producer reserves the right to make changes. 2020 04 01