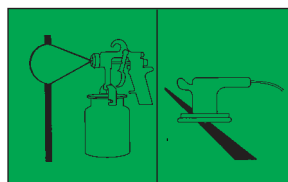
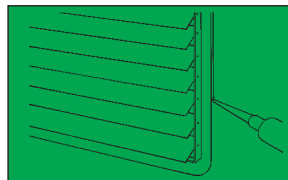




**New
generation**

Flex 310 M
elastic, highly
adhesive, sandable,
overpaintable
**free of isocyanate and
solvents**



Flex 310 M

WEICON Flex 310 M is a newly developed one-component adhesive/sealant (POP hybrid polymer) with high adhesive force. It has been formulated for a wide variety of applications in many industrial sectors.



bonding in lamp production

WEICON Flex 310 M combines the advantages of a highly elastic sealant and the possibility of being overpainted. The chemical basis is a cross-linked copolymer.

Why WEICON Flex 310 M?

This high quality adhesive/sealant is universal in use and very easy to handle. It does not form bubbles when curing, remains overpaintable and does not contain any silicone. It is not only environmentally friendly, but also has outstanding resistance to weathering and UV rays.



metal-to-metal bonding

WEICON Flex 310 M is free of

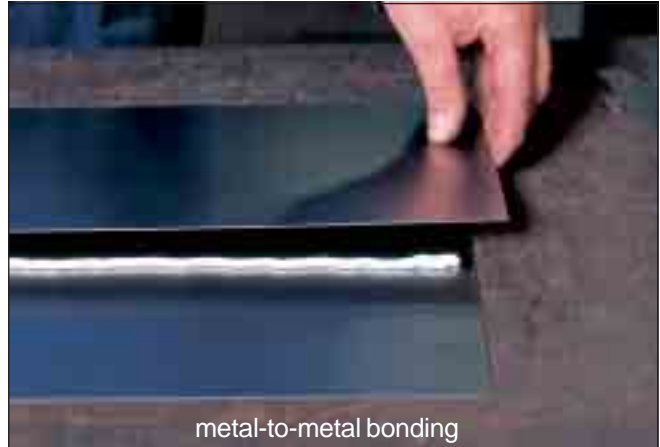
- isocyanate, oxime and
- solvents

It cures practically without shrinkage simply under the influence of air humidity.

Once cured, WEICON Flex 310 M can be

- sanded
- painted over

The rapid cure makes the product ideal for use not only in repair and maintenance, but also in production and construction. The product offers many advantages by its special curing properties and its unique structure of cross-linked copolymers.



metal-to-metal bonding

The applications for WEICON Flex 310 M are many and varied. It is ideal for universal bonding as well as joint and seam sealing in

- tank and apparatus construction
- car body, container and vehicle construction
- ventilation and air conditioning
- pipelines and fittings engineering
- insulating and protective systems
- power plants and electrical industry
- lamp production
- ship and boat building
- many fields of plastic processing

and all applications in which the bonded/sealed parts are to be painted over and therefore products containing silicone would not be suitable.



repair of blowholes in polyurethane parts

WEICON Flex 310 M bonds and seals nearly all materials such as

- metals
- wood
- plastics
- glass, ceramics etc.

to themselves and among each other.

Benefits of WEICON Flex 310 M:

- **Reliability**
 Excellent adhesion on most surfaces
 No primer necessary
 Complete curing, no embrittlement (even after years)



sealing of ventilation systems

- **Easy handling**
 Neutral in odour
 Universal in use
 No bubbling, fast skin formation
 Workable from +5°C up to +35°C
- **Resistance**
 Resistant to weathering and UV rays
 Permanently elastic
 Excellent mechanical properties
- Resistant to abrasion and temperatures from -40°C up to +90°C, briefly (2-3 hours) up to +160°C

WEICON Flex 310 M is

- free of isocyanate and solvents
- free of silicone, halogen and PVC
- extremely resistant to ageing
- immediately overpaintable after use (wet in wet) with most dispersion paint systems***
- resistant to salt water
- practically non-shrinking when curing
- stable during storage for approx. 12 months
- supplied in sealed plastic cartridges (PE).

*** referred to DIN 52452

Technical data

Product	WEICON Flex 310 M
Chemical base	1-part POP polymer**
Colour	white, grey, black
Specific weight g/cm ³	1,44
Consistency	pasty, non-flow
Contents	310 ml / PE-cartridge
Temperature resistant	-40°C to +90°C briefly (2-3 hours) up to +160°C
Skin-over time to DIN 50014*	approx. 25 minutes
Cure speed to DIN 50014*	3 mm/24 hours
Shore A hardness to DIN 53505	approx. 42 (after 7 days)
Elongation at break to DIN 53504	approx. 650%
Tensile strength to DIN 53504	approx. 3,3 N/mm ²
Tear elongation strength to ASTM D624 Form B	approx. 20 N/mm
Volume change to DIN 52451	approx. -1%
Processing temperature	+5°C to +35°C
Storage	cool and dry, max. +25°C
Shelf life	approx. 12 months



sales display - bonding of polystyrene and metal

*Standard climate to DIN 50014-23/50-2

**POP = polyoxypropylene

Important note:

All specifications, recommendations and technical data are based on laboratory tests under optimum conditions resp. on practical experience. They have been compiled most carefully. Nevertheless, a claim cannot be derived from them. We therefore recommend to carry out own tests before application. The user bears the only responsibility for non-appropriate or other than specified applications.

Properties (comparison)	WEICON Flex 310 M	Polyurethane	Silicone
UV stability	good	moderate	very good
Resistance to weathering	good	good	very good
Odour	neutral	often strong	varies
Adhesion	very good	moderate	good
Compatibility with acrylic dispersions	very good	mostly	poor
Compatibility with acrylic resin paints	good*	good*	moderate
Shelf life	approx. 12 months	approx. 9-12 months	approx. 12 months
* depends on type of paint			

Flex 310 M

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free of isocyanate and solvents

Distributed by:



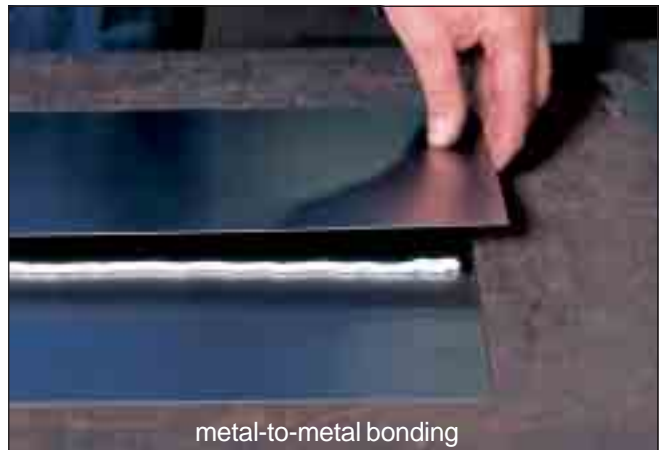
sealing of refrigeration sets



metal-to-metal bonding



bonding in lamp production



metal-to-metal bonding

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