
SOUDASEAL 2K

Revision: 09/12/2011**Page 1 of 3****Technical Characteristics:**

Base	Hybrid Polymer
Curing System	Chemical curing
A-component Consistency Colour Specific gravity (DIN 53479)	Paste grey 1,1 g/cm ³
B-component Consistency Colour Specific gravity (DIN 53479)	Paste White 1,7 g/cm ³
Mixture Ratio Consistency Colour Specific gravity (DIN 53479)	A:B = 1:1 Paste Light grey 1,4 g/cm ³
Pot-life at 21°C and 50% RH*	5 minutes
Open time at 21°C and 50% RH*	10 minutes
Set to load bearing*	After 1 hour
Shore D Hardness (A+B)	40
Elasticity Modulus 100 % (DIN 53504)	1.3 MPa
Elongation at Break (DIN 53504)	350%
Tensile strength (DIN 53504)	2.2 MPa
Application Temperature	+5°C until +40°C
Temperature Resistance (fully cured)	-40°C until +90°C
Shear Strength Substrate Thickness Shear velocity	>1,3 MPa AlMgSi1 0.9mm 10mm/min

* This varies according to ambient conditions such as temperature, humidity, substrate etc.

Product:

Soudaseal 2K is a fast curing high quality two component Hybrid Polymer based adhesive/sealant For use in elastic bonding applications where fast curing is required or for those applications where the bond design does not allow the normal penetration of atmospheric moisture.

Characteristics:

- Fast strength build-up
- Fast curing
- High performance mechanical properties
- Permanently elastic after curing
- Does not contain isocyanates, silicone, solvents
- Cures without the presence of atmospheric moisture
- For indoor and outdoor use

Remark: The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. 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. In every case it is recommended to carry out preliminary experiments.

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Description:

Soudaseal 2K cures by means of a chemical reaction between A- and B-component and therefore is not dependent on (atmospheric) moisture. Fully cured, an elastic and non-shrinkable adhesive layer is formed, which is moisture and heat resistant. The adhesive has excellent adhesion to practically all common substrates used in the construction and building industry.

Applications:

Soudaseal 2K is suitable for elastic bonding and sealing applications in industrial, automotive, marine as well as construction and building areas such as;

- Elastic bonding between metal surfaces, coated surfaces and many plastics (not PE, PP, Teflon)
- Elastic high performance bonding, both interior and exterior
- Elastic bonding applications in car-, coach-, caravan-, marine-, train-, industries where fast curing and strength build-up is required
- Full surface bonding of non-porous (sheet) material and large areas which are not porous enough to let atmospheric moisture through

Bonding:

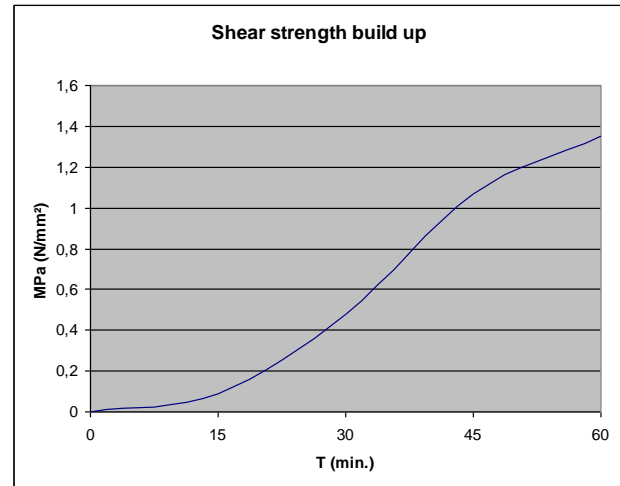
Soudaseal 2K has excellent adhesion on many surfaces. The following metal surfaces have been tested: AlCuMg1, AlMgSi1, AlMg3, Al99, Brass, Electro galvanized Steel, Fire galvanized Steel, Steel ST1403 and Stainless Steel. Plastics that were tested include: polystyrene, polycarbonate (Makrolon®), polyamide (PA6), glassfiber reinforced epoxy and polyester (GRP).

While producing plastics very often releasing agents, processing aids and other protective agents (like protection foil) are used. These should be removed prior to bonding. For optimum adhesion the use of Surface Activator is recommended.

NOTICE: bonding plastics like PMMA (ie Plexi® glass), polycarbonate (ie Makrolon® or Lexan®) in stress loaded applications can give rise to stress cracking and crazing in these substrates. The use of Soudaseal 2K is not recommended in these applications.

There is no adhesion on PE, PP, PTFE (Teflon®) and ABS.

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Substrates:

Type: various porous and non-porous substrates such as (natural)stone, concrete, bricks, wood, metal, aluminium, steel ceramic, glass, plastics and other common materials used in construction and building industry.

State of Surface: clean, dry, free of dust and grease

Preparation: We recommend the use of Soudal Surface Activator on non-porous surfaces

We always recommend preliminary compatibility tests previous to application.

Packaging:

Colour: Light grey

Packaging: Universal cartridge of 250 ml that fits every standard caulking gun or pneumatic gun **with plunger**. Soudaseal 2K has to be applied with the supplied static mixer for optimum mixing of both components.

Shelflife:

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

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Good resistance to water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis.

Poor resistance to aromatic solvents, concentrated acids, chlorinated hydrogen.

Health- and Safety Recommendation:

Apply the usual industrial hygiene.
Consult the label for more information.

Remarks:

- Soudaseal 2K can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, polycarbonate, etc, may differ from manufacturer to manufacturer, a preliminary adhesion test with these materials is imperative.
- This product cannot be used as a glazing sealant

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