

Characteristics

- 1K adhesive and sealant based on hybrid polymer SMP
- For inside and outside use
- Even on damp surfaces
- Wide range of adhesives
- Strong initial tack
- High final strength
- Elastic
- Compatible with natural stone
- Good plastic adhesion
- Fast curing
- Anti-vibration
- Sound-decoupling

Characteristics

Basically suitable for:

Aluminum blank / anodized; Concrete; Cast stone; Stainless steel; Enamel; Tiles / Ceramics; GRP, plaster / plasterboard; Glass without UV exposure; Rigid foam panels; Wood & wooden materials raw / lacquered & glazed (solvent & water based); HPL panels; Clinker / brick; Lightweight building blocks / aerated concrete; MDF / OSB / chipboard; Melamine resin panels; Brass; Powder-coated / lacquered metal (check adhesion); Natural and artificial stone; Cork; Copper; Plaster; PVC hard; Mirror (observe processing instructions); galvanized steel

Standards and tests

- Suitable for applications in accordance with IVD data sheet No. 30 + 35
- EMICODE® EC 1 Plus - very low emissions

Technical properties

Density at 23 °C/50 % rLf [min]	~ 10-15
Initial adhesion [kg/m ²]	~ 180
Curing in 24 h at 23 °C/50 % rLf [mm]	~ 3
Processing temperature from/to [°C]	+ 5 / + 40
Viscosity at 23 °C	pasty, stable
Density at 23 °C according to ISO 1183-1 [g/cm ³]	~ 1,5
Shore-A hardness according to ISO 868	~ 50
Strain value at 100 % according to ISO 37, S3A [N/mm ²]	~ 1,5
Elongation at break after ISO 37, S3A [%]	~ 300
Tensile strength according to ISO 37, S3A [N/mm ²]	~ 2,7
Temperature resistance from / to [°C]	- 40 / + 100
Storage stability at 23 °C/50 % rLf cartridge	18 months
1) short term (90 minutes) up to + 150°C	

These data are not suitable for the issue of specifications.

Please contact i.GLUESYSTEMS prior to creating specifications.

Important information

Before using the product, the user must ensure that the materials in the contact area are compatible with it and with one another and do not damage or change (e.g. discolor). In the case of materials that subsequently evaporation in the area of the product cannot impair or change (e.g. discoloration) the product. If necessary, the user has to consult the respective manufacturer of the materials. Paints, varnishes, plastics and other coating materials must be compatible with the adhesive / sealant.

Important information	<p>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 UV-loaded bonds/seals of glass, we recommend the use of a high-quality silicone adhesive/sealant. For UV-loaded bonds/seals of transparent plastics such as acrylic glass we recommend the use of a high-quality silicone adhesive/sealant. Not suitable for sealing / bonding copper upon impact of UV-radiation and temperature.</p>																												
Pretreatment	<p>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. The adherent surfaces have to be clean, free from dust and grease as well as sustainable. The demands on elastic sealings and bondings depend on the respective exterior influences. Extreme fluctuations in temperature, tensile or shear forces, repeated contact with water etc. demand high requirements of a bonding.</p> <p>In such cases it is advisable to apply primer in order to achieve a resilient bonding. Please consult our technical department.</p>																												
Application information	<p>In order to achieve optimal adhesion and good mechanical properties, the inclusion of air in the adhesive joint must be avoided. The time until hardening can be shortened by adding less moisture and using higher temperatures. The adhesive should be moistened when bonding diffusion-proof parts. Because of the large number of possible influences during processing and use, the processor must always carry out a test processing and application.</p> <p>The specific use-by date can be found on the label on the container and must be observed. We recommend storing our products in the unopened original containers in a dry place (<60% RH) in a temperature range of + 15 ° C to + 25 ° C. If the products are stored and / or transported for longer periods of time (several weeks) at higher temperature / humidity, a reduction in shelf life or a change in the material properties cannot be ruled out. Long-term storage at higher temperatures (≥ 30 ° C) can lead to a reduction in the initial adhesion.</p>																												
Delivery form	<table border="0"> <tr> <td>Container:</td> <td>i.POWER cartridge 290 ml</td> </tr> <tr> <td>Colour:</td> <td>grey</td> </tr> <tr> <td>Packaging unit:</td> <td>20 pcs.</td> </tr> <tr> <td>Article number:</td> <td>Art.no. 1000-20</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td>Container:</td> <td>i.POWER+ gas cartridge 200 ml</td> </tr> <tr> <td>Colour:</td> <td>grey</td> </tr> <tr> <td>Packaging unit:</td> <td>12 pcs.</td> </tr> <tr> <td>Article number:</td> <td>Art.no. 1000-24</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td>Container:</td> <td>i.POWER Mini minitube 15 g</td> </tr> <tr> <td>Colour:</td> <td>grey</td> </tr> <tr> <td>Packaging unit:</td> <td>500 pcs.</td> </tr> <tr> <td>Article number:</td> <td>Art.no. 1000-26</td> </tr> </table>	Container:	i.POWER cartridge 290 ml	Colour:	grey	Packaging unit:	20 pcs.	Article number:	Art.no. 1000-20			Container:	i.POWER+ gas cartridge 200 ml	Colour:	grey	Packaging unit:	12 pcs.	Article number:	Art.no. 1000-24			Container:	i.POWER Mini minitube 15 g	Colour:	grey	Packaging unit:	500 pcs.	Article number:	Art.no. 1000-26
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Safety precautions	Please observe the material safety data sheet.
Disposal	Information about disposal: Please refer to the material safety data sheet.
Warranty information	All information in this publication is based on our current technical knowledge and experiences.

However, since conditions and methods of use and application of our products are beyond our control, we suggest you to test the product before final use. Information given in this technical data sheet and explanations of i-GLUESYSTEMS in connection with this technical data sheet (e. g. service description, reference to DIN regulations etc.) is not to be seen as a warranty. Warranties require a separate written declaration of i-GLUESYSTEMS to prove their validity. The characteristics stated in this data sheet define the characteristics of the article broadly and conclusively.

Suggestions of use are not to be taken as confirmation of the appropriateness for the recommended intended use. We reserve the right to alter the product adjusting it according to technical progress and new developments. We are at your disposal both for inquiries as well as specific application problems. If a governmental approval or clearance is necessary for the application of our products, the user is responsible for the obtainment of such. Our recommendations do not excuse the user from the obligation to take into consideration the possibility of infringement of third parties' rights and - if necessary - resolving it.

For the rest our general terms and conditions apply, in particular regarding a possible liability for defects.

You can find our general terms and conditions on our homepage:
<https://www.i-gluesystems.com>

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