

Characteristics	<ul style="list-style-type: none"> ▪ 1K adhesive based on hybrid polymer SMP ▪ Very good adhesion without primer on numerous substrates, even when exposed to water ▪ Very high mechanical strength, notch strength and tear strength ▪ For tension-equalizing bonds and for dynamic loads ▪ Low odor ▪ Free from isocyanates ▪ Silicone-free ▪ Weather and aging resistance ▪ Compatible with paintwork according to DIN 52452 ▪ Anti-vibration and sound-decoupling 																										
Fields of application	<ul style="list-style-type: none"> ▪ For indoor and outdoor use ▪ For tension-equalizing gluing and assembly of a wide variety of Materials such as: wood, wooden materials, glass, metals (e.g. aluminum, stainless steel, anodized, Brass, copper), plastics (e.g. hard PVC, soft PVC, GRP etc.), mineral Substrates (e.g. bricks, tiles, ceramics), fire-protected building boards (plasterboard, etc.) ▪ For body and vehicle construction, wagon and container construction, metal and apparatus construction, shipbuilding ▪ Sealing of air conditioning and ventilation systems ▪ A wide variety of construction applications such as stair construction, etc. ▪ Gluing of lacquered and enamelled glass ▪ Bonding stone, natural stone and ceramics 																										
Norms and certifications	<ul style="list-style-type: none"> ▪ Declaration of no objection - tested for use in the food-related area (ISEGA Research and Investigation Society mbH, Aschaffenburg) ▪ "Particularly recommended low-pollutant building product" according to the building material list (TOXPROOF) from TÜV Rheinland ▪ Suitable for applications in accordance with IVD data sheet No. 12 + 19-1 + 21 + 24 + 30 + 31 + 35 ▪ Tested on coated glasses (2K-PUR Direct Topcoat 7-530 from Selemix System) from Glas Nagel - as of 11/2006 ▪ The information on our liability and compatibility tests represent the Status at the time of the test. Changes to the coatings are possible and are not in our sphere of influence. We recommend consultation about this with the respective manufacturer of the glasses / coatings. ▪ LEED® compliant IEQ credits 4.1 Adhesives and sealants ▪ Meets DGNB profile 06 ▪ French VOC emission class A + ▪ Certified according to GOS ▪ Declaration in Baubook Austria 																										
Technical properties	<table border="0" style="width: 100%;"> <tr> <td style="padding-right: 20px;">Density at 23 °C/50 % rLf [min]</td> <td style="text-align: right;">~ 20</td> </tr> <tr> <td style="padding-right: 20px;">Curing in 24 h at 23 °C/50 % rLf [mm]</td> <td style="text-align: right;">~ 2 - 3</td> </tr> <tr> <td style="padding-right: 20px;">Processing temperature from/to [°C]</td> <td style="text-align: right;">+ 5 / + 40</td> </tr> <tr> <td style="padding-right: 20px;">Viscosity at 23 °C</td> <td style="text-align: right;">pasty, stable</td> </tr> <tr> <td style="padding-right: 20px;">Density at 23 °C according to ISO 1183-1 [g/cm³]</td> <td style="text-align: right;">~ 1,4</td> </tr> <tr> <td style="padding-right: 20px;">Shore-A hardness according to ISO 868</td> <td style="text-align: right;">~ 55</td> </tr> <tr> <td style="padding-right: 20px;">Permissible total deformation [%]</td> <td style="text-align: right;">10</td> </tr> <tr> <td style="padding-right: 20px;">Strain value at 100 % according to ISO 37, S3A [N/mm²]</td> <td style="text-align: right;">~ 1,8</td> </tr> <tr> <td style="padding-right: 20px;">Elongation at break after ISO 37, S3A [%]</td> <td style="text-align: right;">~ 230</td> </tr> <tr> <td style="padding-right: 20px;">Tensile strength according to ISO 37, S3A [N/mm²]</td> <td style="text-align: right;">~ 3,5</td> </tr> <tr> <td style="padding-right: 20px;">Temperature resistance from / to [°C]</td> <td style="text-align: right;">- 40 / + 90</td> </tr> <tr> <td style="padding-right: 20px;">Storage stability at 23 °C/50 % rLf cartridges</td> <td style="text-align: right;">18 months</td> </tr> <tr> <td style="padding-right: 20px;">Storage stability at 23 °C/50 % rLf pouches</td> <td style="text-align: right;">24 months</td> </tr> </table>	Density at 23 °C/50 % rLf [min]	~ 20	Curing in 24 h at 23 °C/50 % rLf [mm]	~ 2 - 3	Processing temperature from/to [°C]	+ 5 / + 40	Viscosity at 23 °C	pasty, stable	Density at 23 °C according to ISO 1183-1 [g/cm³]	~ 1,4	Shore-A hardness according to ISO 868	~ 55	Permissible total deformation [%]	10	Strain value at 100 % according to ISO 37, S3A [N/mm²]	~ 1,8	Elongation at break after ISO 37, S3A [%]	~ 230	Tensile strength according to ISO 37, S3A [N/mm²]	~ 3,5	Temperature resistance from / to [°C]	- 40 / + 90	Storage stability at 23 °C/50 % rLf cartridges	18 months	Storage stability at 23 °C/50 % rLf pouches	24 months
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These data are not suitable for the issue of specifications.
Please contact i.GLUESYSTEMS prior to creating specifications.

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 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.

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.

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. In such cases it is advisable to apply primer in order to achieve a resilient bonding. Please consult our technical department.

Application information To achieve optimal adhesion and good mechanical properties, the inclusion of air have to be avoided. The hardening time can be shortened by adding moisture and higher temperatures. If bonding vapor-tight substrates over a large area, the adhesive should be moistened. Because of the large number of possible influences during processing and use, the processor has to carry out a test processing and application. 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 temperatures / humidity, a reduction in the shelf life or a change in the material properties cannot be ruled out.

Packaging	Packaging:	i.UNIVERSAL cartridge 310 ml
	Colour:	white
	Packaging unit:	20 pieces
	Article number:	Art.no. 1000-20
	Packaging:	i.UNIVERSAL+ gas cartridge 200 ml
	Colour:	white
	Packaging unit:	12 pieces
	Article number:	Art.no. 1000-24
	Packaging:	i.UNIVERSAL mini tube 14 g
	Colour:	white
	Packaging unit:	500 pieces
	Article number:	Art.no. 1000-26

Safety precautions	Please observe the material safety data sheet.
Disposal	Information about disposal: Please refer to the material safety data sheet.
Warranty information	<p>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 www.i.gluesystems.com</p>

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