

Characteristics	<ul style="list-style-type: none"> ▪ 1K sealant 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 stress-equalizing seals and for dynamic loads ▪ Low odor ▪ Free from isocyanates ▪ Silicone-free ▪ Good weather and aging resistance ▪ Compatible with paints according to DIN 52452 ▪ Anti-vibration ▪ Sound-decoupling 																						
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, wood-based 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. ▪ Sealing of lacquered and enamelled glass ▪ Sealing of stone, natural stone and ceramics 																						
Standards and tests	For applications in accordance with DIN EN 15651-3 joint sealants for non-load-bearing applications in buildings and pedestrian paths Part 3: Sealants for joints in sanitary area																						
Technical properties	<table border="0" style="width: 100%;"> <tr> <td>Density at bei 23 °C/50 % rLf [min]</td> <td style="text-align: right;">~ 25</td> </tr> <tr> <td>Curing in 24 h at 23 °C/50 % rLf [mm]</td> <td style="text-align: right;">~ 2 - 3</td> </tr> <tr> <td>Processing temperature from/to [°C]</td> <td style="text-align: right;">+ 5 / + 40</td> </tr> <tr> <td>Viscosity at 23 °C</td> <td style="text-align: right;">pasty, stable</td> </tr> <tr> <td>Density at 23 °C according to ISO 1183-1 [g/cm³]</td> <td style="text-align: right;">~ 1,048</td> </tr> <tr> <td>Shore-A hardness according to ISO 868</td> <td style="text-align: right;">~ 48</td> </tr> <tr> <td>Permissible total deformation [%]</td> <td style="text-align: right;">< 6 %</td> </tr> <tr> <td>Elongation at break according to ISO 37, S3A [%]</td> <td style="text-align: right;">~ 130</td> </tr> <tr> <td>Temperature resistance from/to [°C]</td> <td style="text-align: right;">- 40 / + 90</td> </tr> <tr> <td>Storage stability at 23 °C/50 % rLf cartridge</td> <td style="text-align: right;">18 months</td> </tr> <tr> <td>Durability</td> <td style="text-align: right;">passed</td> </tr> </table>	Density at bei 23 °C/50 % rLf [min]	~ 25	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]	~ 1,048	Shore-A hardness according to ISO 868	~ 48	Permissible total deformation [%]	< 6 %	Elongation at break according to ISO 37, S3A [%]	~ 130	Temperature resistance from/to [°C]	- 40 / + 90	Storage stability at 23 °C/50 % rLf cartridge	18 months	Durability	passed
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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 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.

Pretreatment

The sealant surfaces must be cleaned and any contamination such as release agents, preservatives, grease, oil, dust, water, old adhesives/sealants and other substances that impair adhesion must be removed. Cleaning of non-porous surfaces: cleaning with Isoporpanol (airing time approx. 1 minute) and a clean, lint-free cloth. Cleaning of porous surfaces: Mechanically clean the surfaces of loose particles, e.g. with a steel brush or a grinding wheel. The adhesive surfaces must be clean, free of dust and grease and be stable.

The requirements for elastic seals depend on the respective external influences. Extreme temperature fluctuations, stretching and shear forces, repeated contact with water, etc. place high demands on an adhesive bond. Depending on the application, the use of a primer is recommended. For the applications please contact us.

Application information

In order to achieve optimal adhesion and good mechanical properties, the inclusion of air must be avoided. The time to harden can be shortened by adding moisture and higher temperatures. When bonding vapor-tight substrates over a large area, the sealant should be moistened. Because of the large number of possible influences during processing and use, the processor must always 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 temperature / humidity, a reduction in shelf life or a change in the material properties cannot be ruled out.

Delivery form

Container:	i.SEAL cartridge 300 g
Colour:	transparent
Packaging unit:	20 pcs.
Article number:	Art.no. 1000-40

Container:	i.SEAL+ gas cartridge 200 g
Colour:	transparent
Packaging unit:	12 pcs.
Article number:	Art.no. 1000-44

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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