

- Characteristics:
- 1-component adhesive and sealant based on silane-terminated polymers (hybrid)
 - Excellent primerless adhesion on numerous substrates - even when exposed to water
 - Very high mechanical strength, resistance to notches, tension and tearing
 - For stress-compensating bonding and dynamic stresses
 - Low odour
 - Free of isocyanates
 - Silicone-free
 - Good weathering and ageing resistance
 - Compatible with coatings according to DIN 52452
- Fields of application:
- For application in interior and exterior areas
 - Elastic bonding and mounting of various materials such as wood, derived wood products, glass, metals (e. g. aluminium, stainless steel, anodising aluminium, brass, copper), plastics (e. g. unplasticised PVC, plasticised PVC, fibrereinforced plastics etc.), mineral substrates (e. g. brick, tile, ceramic), fireproof building panels (gypsum board etc.)
 - For the bodywork and vehicle construction, waggon and container construction, metal construction and apparatus engineering, ship building
 - Sealing of air condition and ventilation systems
 - Different building applications such as staircase construction etc.
 - Bonding of lacquered and enamelled glass
 - Bonding of stone, natural stone and ceramic
- Technical properties:
- | | |
|---|---------------|
| Skin-forming time at 23 °C/50 % RAH [minutes] | ~ 10 - 15 |
| Curing in 24 hours at 23 °C/50 % RAH [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/cm ³] | ~ 1,4 |
| Shore-A-hardness according to ISO 868 | ~ 55 |
| Stress expansion modulus at 100 % according to ISO 37, S3A [N/mm ²] | ~ 1,8 |
| Tensile expansion according to ISO 37, S3A [%] | ~ 230 |
| Tensile strength according to ISO 37, S3A [N/mm ²] | ~ 3,5 |
| Temperature resistance from/to [°C] | - 40 / + 90 |
| Shelf life at 23 °C/50 % RAH [months] | ~ 18 |
- These data are not suitable for the issue of specifications.
- 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.
- Application information:
- In order to achieve good adhesion and good mechanical properties air entrapment must be avoided.
Curing time can be reduced by humidification and increased temperatures. For the full-surface bonding of steam-tight substrates the adhesive should be moistened. Due

Technical Datasheet
i.UNIVERSAL

to the many possible influences during and after application, the customer always has to carry out trials first.

Please observe the recommended shelf life which is printed on the packaging. We recommend to store our products in unopened original packagings dry (< 60 % RAH) at temperatures of +15 °C up to +25 °C. If the products are stored and / or transported at higher temperatures/air humidity for longer periods (some weeks), a diminution of durability or a change of material characteristics may arise.

Packaging: Packagings and colours on request

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: <http://www.i.gluesystems.com>