

Technical Datasheet
i.POWER

Characteristics:	<ul style="list-style-type: none"> - 1-component adhesive based on silane-terminated polymers (hybrid) - For internal and external use - Also on damp substrates - Broad adhesion spectrum - High final strength - Elastic - Fast thorough hardening 	
Fields of application:	<ul style="list-style-type: none"> - Basically suitable for: - Aluminium blank / anodised; concrete; concrete block; stainless steel; enamel; tiles / ceramics; GRP, gypsum / gypsum boards; glass not subject to UV radiation; hard foam boards; wood and wood materials raw / painted and glazed (solvent and water based); HPL boards; clinkers / brick; light building bricks / aerated concrete; MDF / OSB / chipboards; melamine resin boards; brass; metal powder-coated / painted (check adhesion); natural and artificial stone; cork; copper; plaster; PVC hard; mirror (comply with finishing instructions); galvanised steel 	
Norms and certifications	suitable for applications along IVD-Instruction sheet No 30 + 35 EMICODE® EC 1 Plus – very low emission	
Special Instructions	EMICODE® is a registered trade mark of the GEV e.V. (Düsseldorf) The initial adhesion can be various, depending to the kind of materials which will be connected and the way to apply the adhesive. In front of the application of the product the user must make sure, that the materials which have contact with the adhesive are compatible among themselves and don't create any damaging. If questions arise, the user must contact the manufacturer of the single materials. Colors, varnishes, plastics and other coating materials must be compatible with the adhesive/sealant.	
Technical properties:	Skin-forming time at 23 °C/50 % RAH [minutes] Curing in 24 hours at 23 °C/50 % RAH [mm] Processing temperature from/to [°C] Viscosity at 23 °C pasty, stable Density at 23 °C according to ISO 1183-1 [g/cm ³] Shore-A-hardness according to ISO 868 Stress expansion modulus at 100 % according to ISO 37, S3A [N/mm ²] Tensile expansion according to ISO 37, S3A [%] Tensile strength according to ISO 37, S3A [N/mm ²] Temperature resistance from/to [°C] Shelf life at 23 °C/50 % RAH [months] These data are not suitable for the issue of specifications.	~ 10 - 15 ~ 2 - 3 + 5 / + 40 ~ 1,5 ~ 50 ~ 1,5 ~ 300 ~ 2,7 - 40 / + 100 ~ 12
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.	

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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: In order to achieve optimal adhesion and good mechanical characteristics, the entrapment of air in the joint 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 to the many possible influences during and after application, the customer always has to carry out trials first.
- STORAGE: 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>