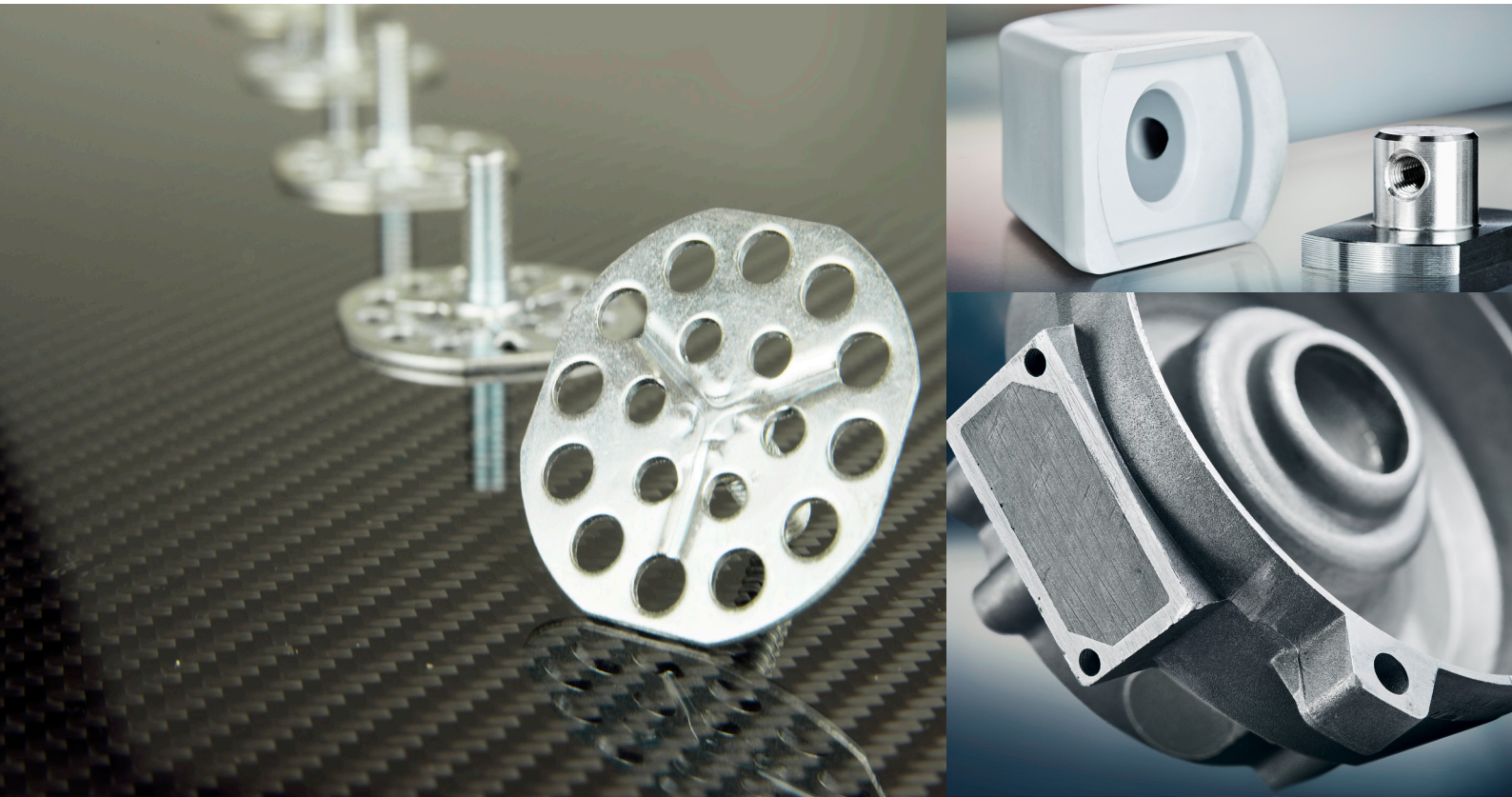


**BONDING +
SEALING +
ENCAPSULATION**

Kisling



1675-1

Strong, odourless, rapid-action all-rounder

The powerful 2K structural adhesive 1675-1 is the fastest curing product in our structural adhesives range. It's very tough, with an elongation at break value of 65% despite a rigidity factor of 550 N/mm². This feature allows the absorption of tensions, through the thermal expansion of different materials and helps suppress vibrations. Due to its rapid strength development, 1675-1 reaches up to 10 N/mm² in as little as 8 minutes, which enables fast processing and makes it perfectly suited for series production.

The versatile 1675-1 is almost odourless and flame-retardant. Its curing process is made optically visible by its colour changing from blue to green.

Applications

Lightweight construction & composite bonding: Body bonding, stiffening for CFRP and GFRP parts, composite parts repair | Mobile electronics: Body, housing, display bonding, etc.

1675-1

- + Short cycle time due to rapid strength development
- + Very good adhesion on plastics and metals
- + Excellent resistance against dynamic loads
- + Optically visible hardening process – colour changes from blue to green
- + Low odour and flashpoint



Specifications	
Product category	Methacrylate structural adhesives
Colour	green (after cure)
Mixing ratio	10:1 (V:V)
Viscosity (mPas)	~100 000 thixotropic (Mix)
Pot life [min]	2 – 4
Fixture time [min]	~6
Final strength [h]	~12
Tensile strength [N/mm ²]	~14
Tensile shear strength [N/mm ²]	Alu-Alu ~22
Tensile shear strength [N/mm ²]	Steel-Steel ~23
Elongation at break [%]	~65
Temperature range [°C]	-55 – +120
Registrations & Certificates	DIN EN 45545-2 chart 5, R1, R7 and R17 with HL1-3 in testing
Container size (Bulk containers on request)	50 ml 490 ml

