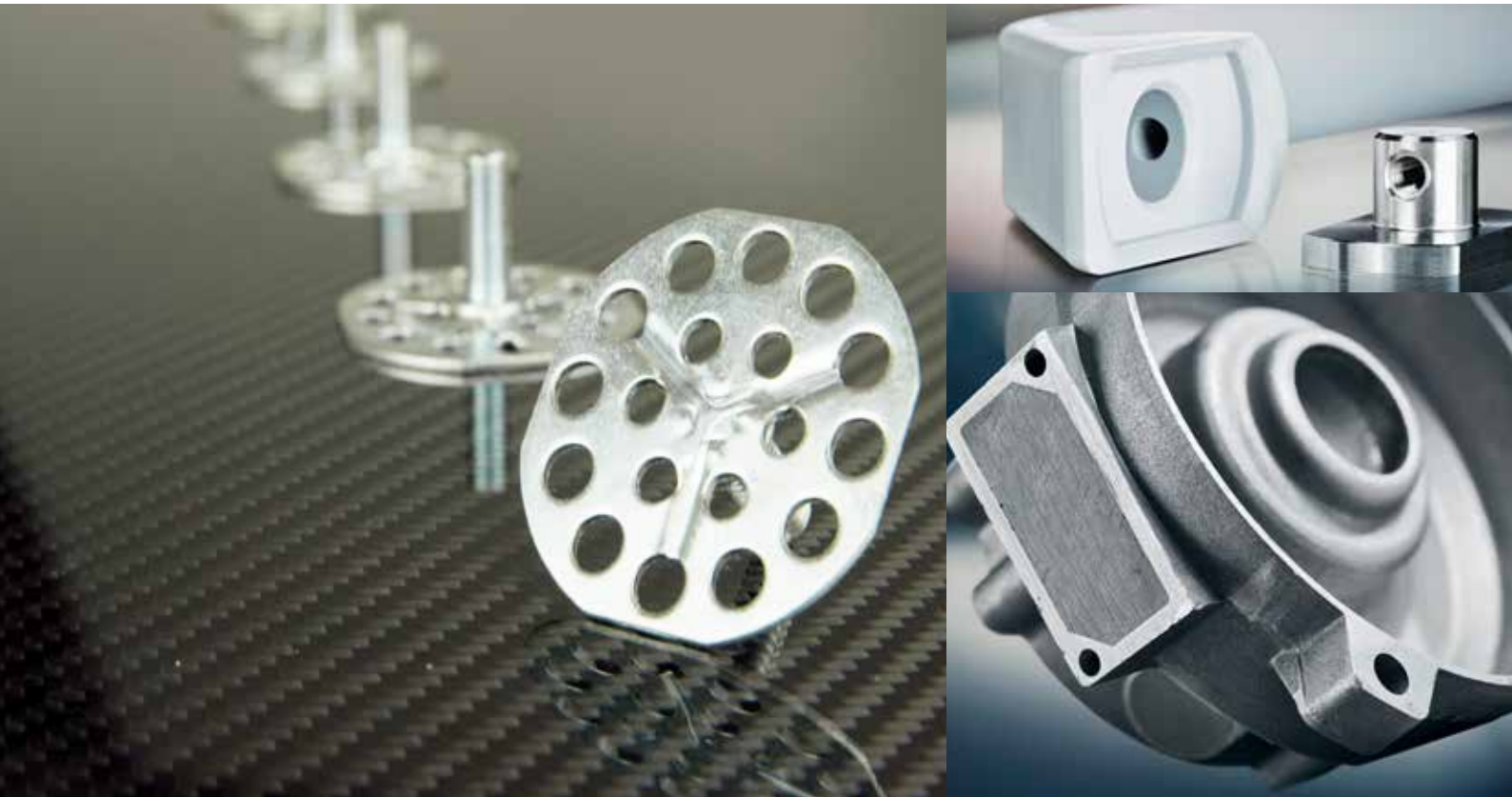


**BONDING +  
SEALING +  
ENCAPSULATION**

**Kisling**



# 1675

## **Strong, odourless, rapid-action all-rounder**

The powerful 2K structural adhesive 1675 is the fastest curing product in our structural adhesives range. It's very tough, with an elongation at break value of 85% despite a rigidity factor of 780 N/mm<sup>2</sup>. 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 reaches up to 10 N/mm<sup>2</sup> in as little as 5 minutes, which enables fast processing and makes it perfectly suited for series production.

The versatile 1675 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.



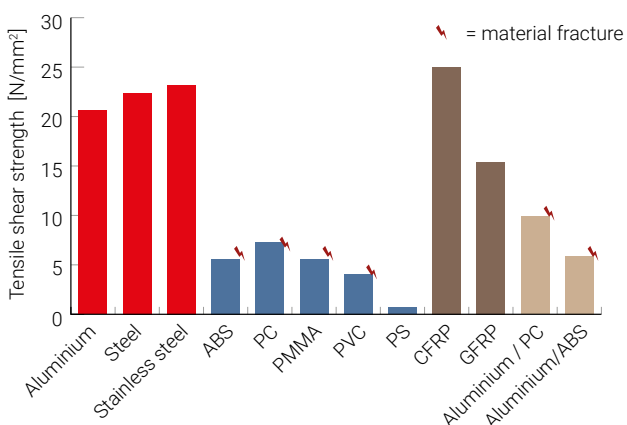
# 1675

- + Short cycle time due to rapid strength development
- + Excellent plastic adhesion
- + High elasticity and elongation at break
- + High temperature resistance
- + Low odour and flashpoint



Specifications	
<b>Product category</b>	Methacrylate structural adhesives
<b>Colour</b>	green (after cure)
<b>Mixing ratio</b>	10:1 (V:V)
<b>Viscosity (mPas)</b>	~100 000 thixotropic (Mix)
<b>Pot life [min]</b>	2 – 4
<b>Fixture time [min]</b>	~4
<b>Final strength [h]</b>	~12
<b>Tensile strength [N/mm<sup>2</sup>]</b>	~17
<b>Tensile shear strength [N/mm<sup>2</sup>]</b> <b>Alu-Alu</b>	~21
<b>Tensile shear strength [N/mm<sup>2</sup>]</b> <b>Steel-Steel</b>	~22
<b>Elongation at break [%]</b>	~85
<b>Temperature range [°C]</b>	-50 – +120
<b>Registrations &amp; Certificates</b>	DIN EN 45545-2 chart 5, R1, R7 and R17 with HL1-3
<b>Container size (Bulk containers on request)</b>	50 ml   250 ml   490 ml

**Tensile shear strength**



**Strenght development steel/steel (room temperature)**

