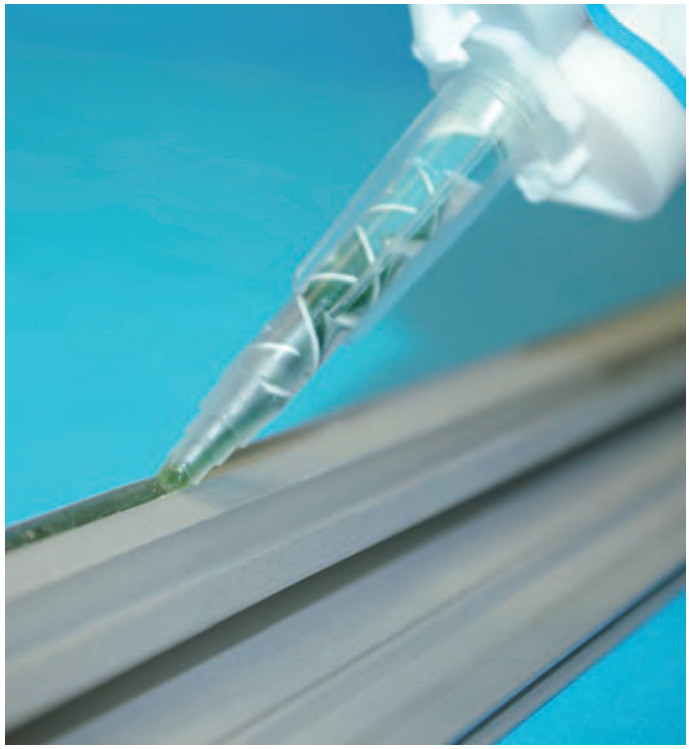
The Penloc® GT Series: Two-Component Performance Structural Adhesives for Superior Strength

For Bonding Numerous Material Combinations

The acrylic-based high-performance structural adhesives of the Penloc® GT series are ideal for bonding materials such as metal, glass, ceramics, wood and many plastics (except PE and PP).

The Penloc® GT adhesives are easy to handle and versatile in use.

The series comprises the two-component Penloc® products GTI, GTH-T, GTR, GTI-S and GTR-VT.



Adhesive Properties

- Suitable for bonding a wide range of materials
- Fast, flexible, versatile
- Wide range of applications – from low volume to mass production
- Bonds quickly and reliably
- Universal use and simple handling
- High strength and stability
- Cures at room temperature
- Short curing times

Adhesive	Application	Viskosity [mPas]	Base	Curing*	Properties
Penloc® GTH-T	Plastic bonding, Potting Material, Automotive, Aerospace, Metal bonding, Joining hinges	8,000–10,000	2-part-Methyl-Methacrylate	Room temperature	Very high adhesion to metal, temperature resistant
Penloc® GTI	Plastic bonding, Potting Material, Automotive, Aerospace, Joining hinges	5,000	2-part-Methyl-Methacrylate	Room temperature	Fast curing
Penloc® GTI-C	Glass bonding, Potting Material	5,000–6,000	2-part-Methyl-Methacrylate	Room temperature	Translucent
Penloc® GTI-S	Plastic bonding, Potting Material, Automotive, Aerospace	5,000–6,000	2-part-Methyl-Methacrylate	Room temperature	Flexible, resistant to high temperatures, high flash point
Penloc® GTN	Plastic bonding, Potting Material, Automotive, Aerospace, Joining hinges	15,000–30,000	2-part-Methyl-Methacrylate	Room temperature	Flexible, resistant to high temperatures, high flash point, low in odour
Penloc® GTR	Plastic bonding, Potting Material, Automotive, Aerospace	4,000	2-part-Methyl-Methacrylate	Room temperature	Flexible, resistant to high temperatures, high flash point
Penloc® GTR-VT	Plastic bonding, Potting Material, Automotive, Aerospace, Overhead application	20,000–30,000	2-part-Methyl-Methacrylate	Room temperature	Stable, green color

*UV = 320 – 390 nm, VIS = 405 nm

Technical Datasheets: