Technical Data Sheet

Karlsons Universalklister Gel is a colourless, synthetic resin glue for universal applications in craft work, in the home and office, for modelling, etc. Its gel-type consistency means that there is no leakage from the tube and ensures drip-free, clean sticking.

**Specification:**
- **Appearance:** colourless, crystal-clear gel
- **Consistency:** gel (thixotropic)
- **Base:** polyvinyl ester
- **Density [g/cm³]:** 0.95
- **Flash point [°C]:** approx. -19
- **Solvent:** blend of low-boiling esters and alcohols
- **Solid content [%]:** approx. 32
- **Danger class (VbF):** n.a.
- **Directives:** highly flammable, irritant
- **Danger symbol:** flame symbol

**Properties:**
Karlsons Universalklister Gel bonds exceptionally well with metals, wood, paper, fabrics and leather (not suitable for leather clothing); it also works well on materials such as glass, ceramics and many plastics.

Its resistance to heat is determined by the thermoplastic nature of the synthetic resin. Assemblies should be exposed as little as possible to temperatures over 70°C, although the absolute resistance of the resin in the glue is at least 120°C.

Karlsons Universalklister Gel is resistant to water, diluted acids and alkalis, petrol and oil; it is not resistant to alcohols (eg spirit), ketones (eg acetone), acetate solvents (eg nitro-cellulose lacquer thinner) or high-aromatic solvents (eg toluene and xylene).

**Bond strength:**
Tests on beechwood produced a figure for combined tension and shear resistance (final value) of approx. 7 N/mm².

**Physiological Properties:**
The dried glue is inert, totally neutral and physiologically safe.

**Application:**
The surfaces to be stuck together must be clean, dry and free of oil and grease. Apply to one or both of the parts to be assembled as required and place together immediately, or after not more than about a minute. The bond strengthens as the solvent evaporates. About two-thirds of the final bond are achieved after 24 hours.

**Cleaning:**
Smeared glue should be wiped away as quickly as possible; dried remnants, specks on clothing, etc. can be removed with dissolving agent. Alternatively, methylated spirits, ethyl acetate, nitro thinner or amyl acetate may be used.
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Precautions:
Karlsons Universalklister Gel contains volatile, readily flammable solvents; precautions must therefore be taken during application and storage.

Package size: Tube: 31 g

Please note:
These guidelines have been compiled on the basis of numerous tests and experiments. This Technical Data Sheet has been prepared to the best of our knowledge and should provide you with advice when gluing. Given the wide range of materials and possible combinations, we however strongly recommend carrying out your own tests, if necessary, to adapt the adhering technology to the case in question.
We cannot assume responsibility for the results and damages in the respective application on account of the many other possibilities involved (type and combination of materials and method of application) on which we do not have any control. You should carry out your own tests and trials. A warranty can only be given for the constant high quality of our product.