

- Water resistant
- Very strong
- Transparent
- For universal use
- 100% stable as to shape

PRODUCT

A very high quality, transparent, two-component adhesive based on polyurethane. Duocol Clear is thixotropic, odourless, easy and accurate to apply, is non-effervescent and does not require liquid to set.

TECHNICAL DATA

Basis	: polyurethane
Solids content	: 100 %
Density	: approx. 1.1 g/cm ³
Viscosity	: pasteous
Processing temperature	: min. 10 °C to max. 30 °C
Colour when wet	: transparent
Colour when dry	: transparent
Odour	: low-odour
Number of components	: 2
Moisture resistance	: very good
Processing time	: approx. 5 minutes
Setting time	: approx. 15 minutes
Fully cured	: approx. 480 minutes
Hardness (shore D)	: approx. 60
Shearing values:	
Wood	: approx. 17 N/mm ²
Concrete/marble	: approx. 17 N/mm ²
PVC/PMMA/ABS/SMC	: approx. 8 N/mm ²
Steel	: approx. 13 N/mm ²
Aluminium	: approx. 11 N/mm ²
Elongation at break	: approx. 30%

ATTENTION

The above values are determined at 20 °C/65% Rh, and a wood humidity of 10%. Different circumstances have other values.

The processing, setting and curing times also depend on how much product is applied. The above values are average values for approx. 10 g of applied product. The larger the product amount, the higher the exothermic reaction and the longer the reaction speeds.

USAGE

Duocol Clear was developed for structural gluing of many materials, such as thermoplastic materials, thermosetting plastics, steel, aluminium, cement, wood, glass, marble and even concrete.

APPLICATION

Duocol Clear is delivered in a 2-component syringe, containing 50 ml or 200 ml. The two components are mixed using an enclosed static mixer. In order to guarantee optimum mixing, only use the enclosed mixer. The mixers are disposable. The cartridges can be used in combination with a special manual applicator.

USING THE APPLICATOR AND A 50 ML SYRINGE

Push the metal catch of the applicator up and position the loose grey push mechanism through the applicator from the other side. Note: Start from the flat end. Keep the serrated side down and slide the push mechanism all the way through the applicator. Then pull the black cover on top of the applicator to release it, position the syringe through the cover and click it back into place.

APPLICATION

Aim the applicator with the mixer upwards and slowly press the adhesive through the mixer until the adhesive is nearly at the end. To make sure that the two components have mixed properly in the mixer when using a clean mixer, we recommend pressing the first 2 cm of adhesive out of the mixer and refraining from using this adhesive for the gluing application. The surfaces to be glued must be clean, dry and free from dust. We recommend sanding hard and smooth surfaces. Apply the mixture directly from the mixer onto the prepared and dry surface. Join the parts together within the first minute of mixing the adhesive and apply firm and even contact pressure to the entire glued surface.

MATERIAL SAFETY DATA SHEET

For up-to-date and detailed information regarding chemical composition, safety aspects, handling, transport, storage and personal protection etc., please refer to the Material Safety Data Sheet (MSDS) of this product. Your supplier is in possession of the most recent document. You can also request it from Frencken.

SHELF LIFE

For information about shelf life, see packaging.

PACKAGE

Article number	Package	Content	Packed per
125180	Cartridge	50 ml	12
125185	Mixer		12
125183	Applicator		1

ATTENTION!

The mixer and applicator are not included in the price of the syringes. These products need to be ordered separately.



The above product information and recommendations are without obligation and are based on extensive tests and measurements and experience. However, the use of new materials, different working methods and other factors which are under Frencken's control prevent Frencken from assuming any liability. If in doubt, please contact our experts.