

## TECHNICAL DATA

# PEGACRIL DX1 GLUE

Pegacril DX1, is a viscous glue indicated for the union of materials of extrusion and cast acrylic (PMMA).

### CHARACTERISTICS

- Approx viscosity: Up to 1000 mPa-s.
- Density: 1.21 gr./cm<sup>3</sup>
- Color: from colorless to slightly yellow.
- It does not have a flashpoint.
- Expiration: more than three years under normal storage conditions. The degradation of its components is very slow.
- To regulate the viscosity of Pegacril DX1, Pegacril DX2 (viscous) can be used as a diluent.
- Hardening of the product by absorption, dissolution and evaporation, of the treated pieces.

### APPLICATION AREAS

For the bonding and joining of polymethyl methacrylate (PMMA) extrusion and casting materials. The parts to be treated must be free of tensions, which will avoid microcracks due to the action of the solvent.

You can also test the bonding in other plastic materials.

### APPLICATION SYSTEM

The gluing with the Pegacril DX1 glue is carried out indistinctly in extrusion and cast acrylic. The union is carried out by evaporation of the solvent, leaving the polymer adhered to the pieces.

The edges to be glued must have perfect planimetry to avoid the formation of bubbles.

Pegacril DX1 is applied with a small bottle or syringe provided with cannula or needle, on the edges of the pieces to be joined, pressing a little on them. The bonding time is a few minutes and after this, Pegacril DX1 offers a colorless finish.

Do not fill in the gaps completely. Pegacril DX1 should not be used if moisture condensation is present, as it may whiten the bonding.

The transport and movement of the piece after bonding should be done after four hours. The pieces must be dried outdoor and without packaging for the solvent to evaporate. The complete evaporation of solvent residues will take place after 48 hours outdoor.

For the cleaning of greases and static charge we recommend to use the Netacril PT product.

### Security advices:

We recommend minimum training in the area of occupational risk prevention for personnel who will handle this product, in order to facilitate the understanding and interpretation of this safety data sheet, as well as the labeling of the product.

Directive 67/548 / EC and Directive 1999/45 / EC:

Contains chloroform and acrylic polymer (PMMA) UN 2810

The classification of the product has been carried out in accordance with R.D. 363/1995 (Directive 67/548 / EC) and R.D.255 / 2003 (Directive 1999 / 45 / EC), adapting its provisions to Regulation (EC) n°1907 / 2006 (REACH Regulation) according to R.D. 1802/2008. Carc. Cat 3: R40 - Possible carcinogenic effects, R22: Harmful if swallowed.

Regulation n°1272 / 2008 (CLP):

H302 - Harmful if swallowed. H351 - Suspected of causing cancer. H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness.

## TECHNICAL SPECIFICATIONS – PEGACRIL DX1 GLUE

Properties	Value	Units
<b>Technical data</b>		
Appearance:	viscous paste.	
Color:	from colorless to slightly yellow (the yellowish color does not modify or alter its physical properties)	
Viscosity:	Up to 1000	Mpa.s (Brookfield system No. II / 6 / 20°C) To regulate the viscosity of Pegacril DX1, Pegacril DX2 (viscous) can be used as a diluent.
Density:	1.21	gr./cm <sup>3</sup>
Maximum storage temperature:	30	°C
Storage:	store in a closed container, cool place and away from heat sources.	
Flash point:	- (does not have)	
Expiration	> 3	years
Packaging:	aluminum, glass and polyethylene (with polyethylene container can lose weight and increase the viscosity of the product over time).	



The properties described here are typical values of the material. Polimer Tecnic is not responsible for the materials of a specific consignment to exactly match the given values, being able to carry out tests of that heading. The above information is based on our experience and is given in good faith. Due to some installation and processing factors that are beyond our knowledge and control, no guarantee is given regarding such information.