obchod@dencop.cz | +420 571 894 000
export@dencop.cz | +420 571 894 001

Technical data

CODE:	8950, 8951
PRODUCT:	WELDYX®
NOTE:	TECHNICAL DATA
IMAGE:	
LAST UPDATE:	2/2026

WELDYX®

Two-component acrylate adhesive

WELDYX® Acrylat clear

The product WELDYX® ACRYLATE CLEAR is a two-component acrylic adhesive with a mixing ratio of 1:1, which is intended for high-strength and structural bonding.

Due to its broad adhesion spectrum, the product is suitable for bonding a wide range of composites, plastics and metals without the need for a primer for surface pre-treatment.

In addition, the product offers excellent impact, peel, compression and fatigue resistance to environmental influences after the reaction has been completed, making it possible to master even complex requirement profiles.

PROPERTIES (individual components)

	Resin A	Hardener B
Colour	transparent	transparent
Viscosity	11.000-16.000	10.000-15.000
Mixing ratio A:B (volume)	1:1	1:1
Mixing ratio A:B (weight)	1:1	1:1
Gap filling capacity [mm]	3	3

PROPERTIES (cured adhesive)

Colour	transparent
Porcessing time [min]	1 - 2
Fixing time [min]	4 - 5
Final strength after [h]	24
Temperature resistance [°C]	-55 to +125

Tensile shear strengths

Substrat	Tensile shear strength [N/mm²]
PC	12,5
Acrylat	8,2

Adhesion range

Metals	Plastics	Composite materials
Aluminium ✓	Acrylates ✓	Vinyl ✓
Stainless steel ✓	Styrene ✓	Carbon Fibre ✓
Mild steel ✓	ABS ✓	Polyester (DCPD mod.) ✓
Powder-coated metals ✓	PVC/CPVC ✓	Urethane ✓
Galvanised metals ✓	PA/Nylon ✓	GRP/FRP ✓
	Polyethylene ✗	Epoxy ✓
	Polypropylene ✗	
	Polytetrafluoroethylene (PTFE) ✗	
	Polyacetal ✗	

Storage and shelf life

The product should be stored unopened in a cool, dry place out of direct sunlight.

At the optimum storage temperature of +12 °C to +15 °C in a sealed container, the product has a maximum shelf life of 9 month. A higher storage temperature leads to a significantly shorter shelf life and can damage the cartridge.

The storage temperature must not fall below +12 °C.

Container sizes

The product is available in a 50ml or 400ml cartridge.

Instructions for use

Always consult the safety data sheet before first use.

The optimum processing temperature is between +8 °C and +15 °C. A higher or lower temperature will affect the processing time. Before each application, make sure that the mixer to be used is correctly attached to the cartridge and that the cartridge is correctly places in the dispensing gun.

If necessary, carry out surface preparation. The surfaces to be bonded must not be contaminated with oils, dust, paints, oxidation layers or any other impurities.

Before applying to the surfaces to be bonded, a small amount of adhesive must be squeezed out to ensure complete mixing of both components, otherwise the adhesive properties will be reduced. Apply sufficient adhesive to ensure an even mixture.

The subsequent joining of the materials must take place within th e processing time. Clamp the parts to be joined if necessary. After the end of the processing time, the adhesive should not be subjected to heavy mechanical stress until it has fully cured, as otherwise the adhesion properties will be affected.

Surface pre-treatment

In order to guarantee the optimum properties of WELDYX ACRYLAT Clear, it is essential to clean the surfaces. The cleaning measures must be individually adapted to the materials and surfaces to be bonded:

Metals:

1. Remove dust and impurities from the surface with a clean cloth and pure acetone or isopropanol.
2. Lightly roughen the surface by sanding or sandblasting.
3. Repeat step 1.

Plastics/composites:

1. Remove dust and dirt from the surface with a clean cloth and isopropanol.
2. Lightly roughen the surface by sanding.
3. Repeat step 1.

CAUTION: Do not use petrol or inferior alcohol for pre-treatment.