

TECHNICAL DATA SHEET

Product Description

CT905 is a transparent high performance structural adhesive on acrylic basis which bonds glass, acrylic (both clear and coloured), polycarbonate, metals, plastics, wood, glass and many other products.

Properties

- short processing time
- fast curing

Application

It can be applied as two overlapping beads with no need for mixing, or through a conventional mixer nozzle. It produces clean applications with no waste and allows stop and start production without blockage.

Properties

Property	Result
Number of components	2
Mix ratio by weight	1:1
Pot life at room temp.	1-2 min
Cure time - Handling strength	3-5 min
- Full strength	24 hrs
Shelf life at room temperature	12 months
Viscosity (Brookfield @ 25°C)	5000 mPa.s
Density	1.1 g/cm ³
Colour: A/B	Transparent / transparent
Flash point	>80°C

Properties after curing

Mechanical property	Result
Hardness	50 Shore D
Colour after curing	Transparent
Tensile shear strength	1-2 min
Steel	22 N/mm ²
Aluminium	19 N/mm ²
PC	7 N/mm ²
PMMA	4 N/mm ²
FR4 Epoxy	20 N/mm ²
Temperature resistance	-40 to +120°C
Shrinkage	12%

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Surface treatment

Surfaces to be bonded should be free of dust, oil, grease or any other contamination in order to achieve a reproducible bond. Any contamination with alkaline substances and amines is to be strictly avoided as these can impede curing. For slightly contaminated surfaces it is sufficient to wipe with isopropanol or ethanol. Substrates with a low surface energy (e.g. polyethylene, polypropylene, Teflon) need to be pre-treated physically (e.g. atmospheric plasma or corona) in order to achieve sufficient adhesion.

Adhesive application

Products are supplied ready for use. Depending on packaging, they can be dosed manually, semi-automatically or fully automatically with dosage apparatus. Any contamination with alkaline substances and amines is to be strictly avoided as these can impede curing. Please consult our department for applications technology for information on dosing. After application, joining should be carried out immediately as some products cure at daylight.

Storage Conditions

Keep the adhesive in a cool, dry place away from direct sunlight.

Shelf Life

12 months from date of despatch when stored in the original container at 21°C.

Precautionary Information

Refer to product label and material Safety Data Sheet for health and safety information before using the product.

Note: The information contained within this data sheet is believed to be reliable. Cedesa Ltd. makes no representation or warranties of any kind concerning this data. Cedesa Ltd. assumes no responsibility nor liability for results obtained by end-user where Cedesa Ltd. has no control over the variables of surface preparation, application technique, curing, or storage. End-users are solely responsible for making their own tests and evaluation of this product prior to use in their manufacturing process to determine if this product is suitable for this application. Use the information in this data sheet as a guide only.

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