

Ceresit

153

Technical Datasheet

Version 11.05.2012

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PROPERTIES

- ▶ One component, cyanoacrylate adhesive
- ▶ Medium viscosity
- ▶ Solvent-free
- ▶ Rapid bonding - less than 10 seconds on metals and plastics
- ▶ Bonds porous materials
- ▶ Economical in use
- ▶ Bonds difficult to bond components

APPLICATIONS

Ceresit 153 Adhesive bonds in seconds to:

- Rubbers, plastics and ceramics
- Foam and filled rubbers
- PVCu windows, trim, etc.
- EPDM seals
- Bonding of rubber seals to PVCu window and door frames

PROCESSING

Ensure surfaces are clean and dry. Apply adhesive to one surface.

Press surfaces together and hold for 10 seconds or as indicated below.

Cure speed is rapid, so exercise care when aligning.

Cure performance can be enhanced, if necessary, by using *Ceresit 153A Cyanoacrylate ACTIVATOR*.

Typical Bonding Times (in seconds):

Plastics: 5 - 60 depending on substrates.

Rubbers: 2 - 20 depending on substrates.

Metals (degreased): 10 - 60 depending on substrates.



CHARACTERISTICS

Physical Properties of LIQUID Adhesive:

Monomer:	Ethyl Cyanoacrylate
Appearance:	Colourless
Specific gravity:	1.05 kg/m ³

Physical Properties of CURED Adhesive:

Hardness (Rockwell):	85
Specific resistance:	8 x 10 ¹²
OHM/cm:	

Dielectric
constant 3.44
@ 1MHZ:

Softening point: 150°C

Steel / Steel Substrate Values:

Tensile strength (ASTM D2095):
28-32 N/mm² (3600-4400 lbf/in²)

Tensile shear strength (ASTM D1002):
15-20 N/mm² (2300-2700 lb/in²)

Impact strength (ASTM 950):
1.8-2.0 N/mm² (8-9 lb/in²)

SUBSTRATE COMPATIBILITY

Ceresit 153 is especially suitable for bonding rubbers, PVCu plastics and filled rubbers, without loss of adhesive performance.

IMPORTANT ADVICE

Cleaning of the skin

During application, wear suitable eye protection, gloves and protective clothing.

Storage

Store in original, sealed upright container between +3°C and 20°C in a dry area out of direct sunlight. The lower the temperature the longer the ultimate shelf life, but bring to room temperature before use.

Shelf Life

Ceresit 153 has a shelf life (stored below 25°C) of 12 months minimum.

SAFETY

Safety Advice

PRIOR TO USE: consult the **Safety Data Sheet** (MSDS) for Ceresit 153. www.ceresit.co.uk

Please observe the following:

- Contains Cyanoacrylate ester.
- Use in a well-ventilated environment.
- When continuously used, local fume extraction is recommended.
- In the event of inadvertent skin bonding, separate bonded skin tissue carefully by peeling apart gently with a blunt instrument. Preferably after soaking in warm soapy water.
- Keep out of reach of children.
- Avoid contact with eyes.

COLOURS

Clear

PACKAGING

Ceresit 153 is supplied in 20g and 50g bottles

LIMITATIONS OF USE

Ensure surfaces are degreased prior to bonding.

Ensure surfaces are close fitting.

This product is NOT suitable for permanent glass bonding, or applications where the bonded joint may be immersed in water.

Where possible, the working environment should have a relative humidity of 50% plus.

DISPOSAL

Product and packaging disposal

Do not pour directly into drains. Retain the product for later use, or if beyond shelf life, dispose of the product in accordance with local regulations. Dispose of the empty packaging in accordance with local regulations (please refer to Safety Data Sheet for more information).

Please note: The information provided herein, especially recommendations for the usage and the application of our products, is based upon our knowledge and experience. Due to different materials used as well as to varying working conditions beyond our control, we strictly recommend to carry out intensive trials to test the suitability of our products with regard to the required processes and applications. We do not accept any liability with regard to the above information or with regard to any verbal recommendation; except for cases we are liable of gross negligence or false intention.

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www.ceresit.co.uk

