

Instant HV

One Component High viscosity Ethyl Cyanoacrylate

Version 1.0

Update : 04/2021

SMART BENEFITS

- Multi-material adhesion
- High Strength
- Instant adhesion
- Rapid Assembly

DESCRIPTION

Instant HV is designed for the rapid assembly of difficult-to-bond materials which require uniform stress distribution and strong tension and shear strength. The product has excellent bonding properties to a very broad range of materials, including metals, plastics and elastomers. Instant HV is particularly suited for bonding porous or absorbent materials such as wood, paper, leather and fabric.

METHOD OF USE

- Before applying the adhesive, make sure the surface is clean, dry and free of grease.
- Apply adhesive to one of the surfaces. Do not use items like tissues or a brush to spread the adhesive.
- Assemble the parts with proper alignment. As the short fixture time leaves little opportunity for adjustment.
- Bonds should be held fixed or clamped until adhesive has fixture.
- Product should be allowed to develop full strength before subjecting to any service loads (typically 24 to 72 hours after assembly, depending on bond gap, materials and ambient conditions)

PROPERTIES

FIXTURE TIME @23°C

Substrate		
Beech Wood	[s]	15-60
Mild Steel	[s]	15-25
ABS	[s]	10-30
Polycarbonate	[s]	15-30

TECHNICAL DATA

CHARACTERISTIC		VALUE
Base		Ethyl Cyanoacrylate
Viscosity		
Brookfield at 25°C	[mPa.s]	1050-1500
Color		Colourless to straw coloured liquid

BONDING PERFORMANCE

Substrate		@22°C
Beech Wood	[MPa]	14-15*
Mild Steel	[MPa]	16-25
Aluminum	[MPa]	6-8
Polycarbonate	[MPa]	5-8

*Substrate failure

STORAGE STABILITY

Shelf life is 12 months @ 23°C in the unopened container which is in a fresh and dry location, protected from light. For better long term performance, it is always recommended to refrigerate the products (4-8°C).

HEALTH AND SAFETY

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials. For safe handling information on this product, consult the Safety Data Sheet (SDS).

The information given and recommendations made herein are based on Bostik's research only and are not guaranteed to be accurate. The performance of the product, its shelf life, and application characteristics will depend on many variables, including the kind of materials to which the product will be applied, the environment in which the product is stored or applied, and the equipment used for application. Any change in any of these variables can affect the product's performance. It is the buyer's obligation, prior to using the product, to test the suitability of the product for an intended use under the conditions that will exist at the time of the intended use. Bostik does not warrant the product's suitability for any particular application. The product is sold pursuant to Bostik's Terms and Conditions of Sale that accompanies the product at the time of sale. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute permission, inducement, or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

SMART HELP

Please contact your local representative

