

# **Instant MV**

# One Component Medium viscosity Ethyl Cyanoacrylate

Version 1.0

Update: 08/2021

# **SMART BENEFITS**

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

#### **DESCRIPTION**

Instant MV is designed for the rapid assembly of difficultto-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 MV is suited for general bonding thanks to its edium viscosity.

#### **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 no 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]	10-20	
Mild Steel	[s]	5-15	
ABS	[s]	5-15	
Polycarbonate	[s]	5-15	

TECHNICAL DATA			
CHARACTERISTIC		VALUE	
Base		Ethyl Cyanoacrylate	
<b>Viscosity</b> Brookfield at 25°C	[mPa.s]	90-140	
Color		Clear liquid	

BONDING PERFORMANCE			
Substrate		@22°C	
Beech Wood	[MPa]	13-15*	
Mild Steel	[MPa]	12-16	
Aluminum	[MPa]	4-6	
Polycarbonate	[MPa]	10-11*	

<sup>\*</sup>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 here in are based on Bostik's research only and are not guaranteed to be accurate. The performance of the product, its shelf life, and will depend on many variables, application characteristics 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

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