SINDEC

DIAMOND CAST HV

HIGH VISCOSITY EPOXY

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

Diamond cast high viscosity resin is a two component, virtually solvent free epoxy resin system.

APPEARANCE

Clear resin which may be pigmented.

MIXING RATIO

2 parts component A
1 part component B
All Parts by weight (PBW)

PRODUCT FEATURES & BENEFITS

- High Viscosity RETAINS your desired design
- Ideal for Countertops, Artwork and Projects alike
- 100% Solid Clear Epoxy
- Fast Drying Diamond Gloss Finish

_ A high virtually solvent free high viscosity resin perfect for counter top design, great for art projects.
_ The high viscosity provides sharp edges, retains the design.
_ With the high level of viscosity it is useful on edgework with less chance of slumping.
_ The resin is clear and has a diamond gloss, fast drying finish.
_ For use on counter tops in laminate or stone.

Please Note: These are typical properties only and should not be interpreted as specifications. Users will need to confirm the results by their own tests.

Date: 15/04/2021
Version 1.0

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APPLICATION RANGE

Do not apply outside the range of 15°C to 25°C

VISCOSITY at 25°C

12000 Mpa

ADHESION TO STONE (TYPICAL PROPERTIES AFTER 24 HOURS CURE)

>1.5 Mpa

FILM THICKNESS

2-3 mm

SUITABLE SUBSTRATES/USES

Stone, marble, laminate countertops, Canvas
Art and design work

POT LIFE

20 minutes @ 20°C

TOUCH DRY	FULLY DRY	FULLY CURED
3 Hours @ 20°C	8 Hours @ 20°C	7 Days @ 20°C

APPROXIMATE COVERAGE

This will depend on the texture and porosity of the surface.
2kg of materialper M^2

APPLICATION CONDITIONS

Do not apply outside of the range 15°C to 25°C.
Localised heating or cooling equipment may be required outside this range to achieve ideal temperature conditions. To reduce the risk of "blooming" caused by condensation, the climate above the uncured surface should be maintained at least 3°C above the dew point for at least 48 hours after application.

SURFACE PREPARATION

On laminate tops, mechanical bonding is required by sanding with an 80 to 100 grit paper followed by a solvent wipe to remove dust.
On stone, Marble, etc, the surface must be ground using a diamond disk to remove the surface of the material to create mechanical bonding followed by a solvent wipe to remove dust.

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STORAGE

Keep between 15º and 30ºC. Component A may crystallize if stored for protracted periods under certain conditions. If this occurs, it can be restored to its original condition by heating it to 70 - 80°C and stirring it thoroughly.
Material to be kept dry.
Protect from frost.

PRIMING

All surfaces surfaces need to be primed using Primer Epoxy 100.

MIXING

Material should be stored at 15ºC to 30ºC for a minimum of 8 hours before mixing.
Pour into a clean container add 2 parts component A and 1 part component B.
Mix together with a slow speed electric drill 300 – 400 RPM using a helix mixer (do not mix by hand).
Mix for a minimum of 3 minutes until the mix is homogeneous.
Pour onto a NEW clean bucket to avoid umixed residue and mix for another 1 minute.
Ensure all the material is mixed by turning in the sides with a spatula.
Use immediately, as cure is by chemical reaction and is faster than normal epoxy resins.

SHELF LIFE

if unopened and stored as directed, 12 months.

TOOL AND EQUIPMENT CLEANING

Tools and equipment can be cleaned with a suitable solvent whilst the material is still wet. Isopropyl Alcohol is recommended.

HEALTH AND SAFETY

Before you use this product ensure you have received and read the safety data sheet. Supplied with the order. Wear gloves and eye protection during use and refer to hazard labels on product.

LIMITATIONS

Do not proceed with application if atmospheric relative humidity is, or is anticipated to be >75% or if the surface temperature is <3 C above the dew point.
Application should not commence when the substrate temperature or the ambient temperature is, or is anticipated to be <15 C during the application or within the curing period. The manufacture of High Viscosity resin is a batch process and despite close manufacturing tolerances, minor variations may occur between batches.
Products from different batches should not be used on the same surface or surfaces close together.

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MORE INFRMATION

For further information or advice on this or any other products suplied by Jofa Resins call the head office on 020 3940 4560, alternatively, you may contact us via email on info@jofaresins.com

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