

## TECHNICAL DATA

# Geocel® Joiners Mate 5

## 5 minute rapid wood adhesive



Geocel® Joiners Mate 5, 5 minute rapid wood adhesive is a clear one part moisture curing wood adhesive, which sets in just 5 minutes. It is a thixotropic gel with exceptionally high bond strength, resistant to most chemicals, and 100% seawater proof.

- Versatile – bonds wood, metal, concrete and various plastics
- Maximum strength one part clear polyurethane
- For internal and external use
- Thixotropic – ideal for vertical joints
- Fast setting – reacts with moisture to set in just 5 minutes
- Weather proof
- Seawater proof
- Resistant to acid and chemicals
- Can be worked, shaped and painted

### SPECIFICATIONS

BSEN 204 CLASS D4

### TECHNICAL DATA

<b>Storage Life</b>	Approx 12 months when stored in a cool, frost free place. Less once cartridge has been opened
<b>Density</b>	1.12g/cm <sup>3</sup>
<b>Viscosity</b>	paste/thixotrope approx 100,000 mPa.s at 20°C
<b>Solids Content</b>	Approx 100%
<b>Open Time</b>	Approx 10 min
<b>Press Time</b>	30min at +15°C up to +20°C & 2hrs at +10°C
<b>Full Cure</b>	After 21hrs approx. 90% of ultimate strength
<b>Water Resistance</b>	Class D4 (BSEN 204) applicable in internal spaces in which, frequently and during longer periods, condensation occurs and applicable in external spaces exposed to weather influences with an adequate protection of the glued wood
<b>Colour</b>	Clear
<b>Temperature Resistance</b>	-30°C up to +100°C
<b>Coverage</b>	Approx. 250 to 400 g/m <sup>2</sup> depending on surface
<b>Application Temperature</b>	+5°C up to +35°C

**Specification writers:** These values are not intended for use in preparing specifications. Please contact your local Geocel® Sales Representative prior to writing specifications on this product.

## **APPLICATION**

Ensure surfaces to be bonded are clean, dust and grease free. One of the surfaces must be porous, abrade non-porous surfaces. To achieve maximum bond strength and assist cure, slightly moisten one surface with a damp cloth. Do not over wet. Remove nozzle and cut the tip of the cartridge taking care not to damage the thread. Replace nozzle and cut cleanly at an angle of 45 degrees. Apply using a standard sealant gun. Wearing gloves is recommended. Apply adhesive evenly to one surface; only apply between 5°C and 30°C. If necessary, cover large surfaces with a fine-toothed spreader. Assemble parts IMMEDIATELY and clamp for 5-10mins at 20°C, (longer at lower temperatures). After this time, the joint may be easily handled. Final and full bond strength will be achieved after 30 minutes.

NOTE: The product foams slightly on application to fill small gaps. Any excess foam/adhesive must be removed with acetone before the product sets, or with a sharp chisel once set.

## **FINISHING & CLEAN UP**

Tools and excess adhesive must be cleaned immediately with acetone. Close properly after use and store in a cool, frost free place.

## **LIMITATIONS**

Geocel® Joiners Mate 5 is unsuitable for polyethylene, polypropylene, Teflon or nylon.

## **PACKAGING**

Geocel® Joiners Mate 5 is supplied in 310ml cartridges packed in boxes of 12.

## **HEALTH AND SAFETY**

Health and Safety data sheets available on request.

## **TECHNICAL SERVICE**

For further technical information, advice on suitability for specific applications, or detailed Health and Safety information, contact Geocel® Technical Service.

**IMPORTANT NOTE** The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Geocel's products are safe, effective and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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