

CorMelt 500

High-Performance, Bio-based Hot Melt Polyamide Adhesive

CorMelt 500 is a high-performance hot melt polyamide resin adhesive, developed by Cornelius. Based on bio-based dimer acid chemistry, this versatile hot melt polyamide adhesive delivers proven performance in construction, road marking and industrial manufacturing.

Manufactured in Europe and backed by UK-based technical expertise, CorMelt 500 offers consistent quality, secure supply, and strong technical support.





Product Code: +D1003

Analysis	Specification	Mean Value	Standard Method
Acid Value - mgKOH/g	≤8	7.14	ASTM D465
Garden Colour	≤8	8	ASTM D1544
Viscosity 190°C/#27/100rpm - cP	1500-2800	1950	ME.S1.1.7

Key Performance Benefits:

- Consistent performance across variable temperature conditions.
- Low-temperature flexibility and adhesion to various plastic substrates.
- Low melt viscosity and application temperature.
- Smooth flow and clean application.
- Strong, flexible bonding.

Market Applications

- Road markings, including Pre-form.
- Packaging.
- Timber joinery.

A Bio-based Alternative

CorMelt 500 is a bio-based high performance alternative to fossil-based materials for the construction industry. Bio-based solutions are increasingly seen as a promising route to reducing environmental impact and supporting a greener future.

About Cornelius

Cornelius is an ISO 9001:2015, ISO 14001:2015 and ISO 45001 accredited UK-based manufacturer and specialty chemical distributor with deep expertise in methacrylate and organosilicone chemistry.

We provide:

- Reliable, regionally sourced supply.
- Responsive technical support.
- Process support tailored to your end-use requirements.

Our manufacturing operations are driven by:

- A dedicated Innovation & Technology department: supporting process optimisation, scale-up, and technical troubleshooting.
- An expert Engineering department: ensuring reliable, efficient plant operations and continuous process improvement.

Contact us to find out more or discuss any specific needs you might have for hot melt adhesives.

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