

ASTAMITE

POWDER RESINS

ASTACHEM[®]
Specialty Chemical

www.astachemicals.com



RESINS

Specially Manufactured for export markets, the ASTAMITE Line offers thermosetting powder resins for use in a variety of industries. In its cured state, the resin is a cross-linked, insoluble, and infusible material.

Urea Formaldehyde

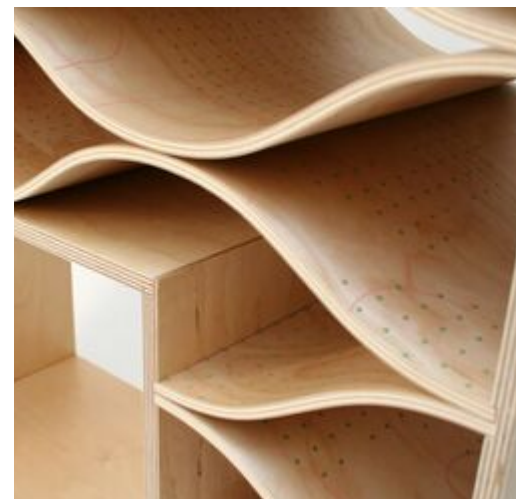
Melamine Formaldehyde

Melamine Urea Formaldehyde

- Manufacturing of Interior, Exterior and Structural Wood Panel Products
- Overlaying of decorative paper/veneer
- Floorboards, Block boards, Truck & Container flooring
- Door production, Solid Timber Doors
- Engineered Molded Wood Pallets
- Laminating, Veneering
- Plywood scarfing using hot-press or high frequency
- Bentwood Production
- Mining Foam (used for sealing in mining and tunnel construction)
- Ceiling Boards (as coating agent to enhance dimensional stability)
- Production of brake linings in vehicles (as an adhesive for heat and solvent resistance, endurance & durability purposes)

Pre-Catalysed Urea Formaldehyde

- Assembly of High Grade Furniture
- Edge gluing, Doweling, Finger jointing, Scarf joints
- Laminating, Veneering, Door Production





ASTAMITE C501

UREA FORMALDEHYDE POWDER RESIN

APPLICATION

- Manufacturing of interior grade Plywood, MDF, and Particleboard
- Overlaying of decorative paper/veneer
- Assembly of furniture
- Bentwood
- Blockboards
- Edge gluing
- Floorboards
- Finger jointing
- Mining Foam (used for sealing in mining and tunnel construction)
- Engineered Molded Wood Pallets
- Door Production
- Wood lamination

ADVANTAGES

- Long shelf life - can be stored longer than 1 year if stored in a cool and dry place
- Solves logistic and storage issues
- Suitable for small batch and irregular use
- Better tackiness compared to liquid resin
- Meets international emission & bonding standards

PRODUCT PROPERTIES

Appearance	Free Flowing White Powder
Viscosity @ 30°C (2/60)	1,500-3,000 cps
pH @ 30°C	> 7.5
Gel Time@32°C (150g resin+0.5g K6)	22-32 minutes

SHELF LIFE • 1 year

PACKAGING • New 25 KGs Polypropylene Woven Laminated (PP) gusseted bag



ASTAMITE C360

UREA FORMALDEHYDE POWDER RESIN

APPLICATION

Wood Working applications that require good tackiness properties such as:

- Bentwood production
- Veneering
- Laminating
- Door Production

ADVANTAGES

- Long shelf life - can be stored longer than 1 year if stored in a cool and dry place
- Solves logistic and storage issues
- Suitable for small batch and irregular use
- Better tackiness compared to liquid resin
- Meets international bonding & emission standards

PRODUCT PROPERTIES

Appearance	Free Flowing White Powder
Viscosity @ 30°C	3,000 - 4,500 cps
pH @ 30°C	> 7.5
Gel Time@32°C	22-32 minutes

SHELF LIFE • 1 year

PACKAGING • New 25 KGs Polypropylene Woven Laminated (PP) gusseted bag



ASTAMITE C3909

UREA FORMALDEHYDE POWDER RESIN

APPLICATION

- Manufacturing of interior grade Plywood, MDF, and Particleboard
- Overlaying of decorative paper/veneer
- Assembly of furniture
- Bentwood
- Blockboards
- Floorboards
- Finger jointing
- Engineered Molded Wood Pallets
- Door Production
- Wood lamination
- Edge Gluing

ADVANTAGES

- Long shelf life - can be stored longer than 1 year if stored in a cool and dry place
- Solves logistic and storage issues
- Suitable for small batch and irregular use
- Better tackiness compared to liquid resin
- Meets international bonding standards, with ability to achieve low emission (F****) standard requirements when paired with scavenger HP 150

PRODUCT PROPERTIES

Appearance	Free Flowing White Powder
Viscosity @ 30°C	3,300 - 4,700 cps
pH @ 30°C	> 7.5
Gel Time@32°C	50 - 85 minutes

SHELF LIFE • 1 year

PACKAGING • New 25 KGs Polypropylene Woven Laminated (PP) gusseted bag



ASTAMITE C510M

MELAMINE UREA FORMALDEHYDE POWDER RESIN

APPLICATION

- Manufacturing of water resistant Plywood
- Overlaying of decorative paper/veneer
- Assembly of high grade furniture
- Floorboards, Block boards, Door production
- Engineered Molded Wood Pallets

ADVANTAGES

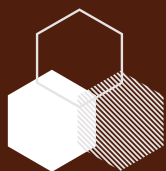
- Long shelf life - up to 6 months
- Solves logistic and storage issues
- Suitable for small batch and irregular use
- Meets international bonding standards (JAS Type I)
- Water resistant
- Melamine content can be customized according to the end user's needs
- Better tackiness properties compared to liquid resin

PRODUCT PROPERTIES

Appearance	Free Flowing White Powder
Viscosity @ 30°C	1,000 - 2,500 cps
pH @ 30°C	> 7.5
Gel Time@32°C	15 - 25 minutes

SHELF LIFE • 6 months

PACKAGING • New 25 KGs Polypropylene Woven Laminated (PP) gusseted bag



ASTAMITE C603M

MELAMINE UREA FORMALDEHYDE POWDER RESIN

APPLICATION

- Manufacturing of water resistant Plywood, Medium Density Fiberboard (MDF) and particleboard
- Overlaying of decorative paper/veneer
- Assembly of high grade furniture
- Floorboards, Block boards, Door production
- Engineered Molded Wood Pallets

ADVANTAGES

- Long shelf life - up to 6 months
- Solves logistic and storage issues
- Suitable for small batch and irregular use
- Meets international bonding standards (JAS Type I)
- Water resistant
- Melamine content can be customized according to the end user's needs
- Better tackiness properties compared to liquid resin
- Meets F**** low emission requirement [using HP-150]

PRODUCT PROPERTIES

Appearance	Free Flowing light tan Powder
Viscosity @ 30°C	2,000 - 3,000 cps
Gel Time@32°C	20 - 30 minutes

SHELF LIFE • 6 months

PACKAGING • New 25 KGs Polypropylene Woven Laminated (PP) gusseted bag



ASTAMITE MF600

MELAMINE FORMALDEHYDE POWDER RESIN

APPLICATION

- Lumber finger-jointing
- Edge-gluing
- Plywood scarfing using hot-press or high frequency
- Coating for ceiling boards (to enhance dimensional stability)
- Production of brake linings in vehicles (as an adhesive for heat and solvent resistance, endurance & durability purposes)

ADVANTAGES

- Long shelf life - up to 6 months
- Solves logistic and storage issues
- Suitable for small batch and irregular use
- Can be added into a UF or MUF resin to enhance water resistance properties
- Meets international bonding standards

PRODUCT PROPERTIES

Appearance	Free Flowing White Powder
Viscosity @ 30°C	40 - 90 cps
Gel Time@32°C	70 - 110 minutes

SHELF LIFE • 6 months

PACKAGING • New 25 KGs Polypropylene Woven Laminated (PP) gusseted bag



ASTAMITE MU7

MELAMINE UREA FORMALDEHYDE POWDER RESIN

APPLICATION

- Truck flooring
- Container flooring
- Exterior Plywood
- Solid Timber Doors
- Laminated timber
- Scarf joints
- Finger joints

ADVANTAGES

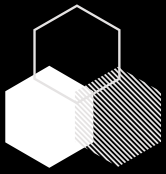
- Can be cold-clamped when heat source is not available (Using Hardener CP-10)
- Water-proof
- Long shelf life - up to 5 months
- Solves logistic and storage issues
- Suitable for small batch and irregular use
- Resistant to heat, moulding and staining

PRODUCT PROPERTIES

Appearance	Free Flowing light brown Powder
Viscosity @ 30°C	5,000 - 8,000 cps
Gel Time@32°C	60-90 minutes
Particle Size (30 mesh)	100%

SHELF LIFE • 5 months

PACKAGING • New 25 KGs Polypropylene Woven Laminated (PP) gusseted bag



ASTAMITE C ONE SHOT

PRE-CATALYSED UREA FORMALDEHYDE POWDER RESIN

APPLICATION

- Laminating
- Veneering
- Assembly of high grade furniture
- Edge gluing
- Doweling
- Finger jointing
- Door production

ADVANTAGES

- Compounded Adhesive (does not require additives)
- Long shelf life - up to 6 months
- Cures at room temperature
- Solves logistic and storage issues
- Suitable for small batch and irregular use
- Meets international bonding standards

PRODUCT PROPERTIES

Appearance	Free Flowing White Powder
Viscosity @ 32°C	3,000 - 5,000 cps
Gel Time@32°C	35 - 65 minutes
Particle Size (30 mesh)	100%

SHELF LIFE • 6 months

PACKAGING • New 25 KGs Polypropylene Woven Laminated (PP) gusseted bag



ASTAMITE C910B

PRE-CATALYSED UREA FORMALDEHYDE POWDER RESIN

APPLICATION

- Laminating
- Veneering
- Assembly of high grade furniture
- Edge gluing
- Doweling
- Finger jointing
- Door production

ADVANTAGES

- Compounded Adhesive (does not require additives)
- Long shelf life - up to 6 months
- Cures at room temperature
- Solves logistic and storage issues
- Suitable for small batch and irregular use
- Meets international bonding standards

[Meets E1 and lower emission requirements when used with scavenger HP-150]

PRODUCT PROPERTIES

Appearance	Free Flowing White Powder
Viscosity @ 32°C	3,000 - 5,000 cps
Gel Time@32°C	35 - 65 minutes
Particle Size (30 mesh)	100%

SHELF LIFE • 6 months

PACKAGING • New 25 KGs Polypropylene Woven Laminated (PP) gusseted bag