

Casamid® 780

High Gloss Curing Agent for Powder Coatings



Ultra-Fast Cure
Response



High reactivity -
short curing cycles



UK Manufacture,
integrated global
supply network

Product Description

Casamid® 780 is used in the production of ultra rapid curing decorative epoxy resin based powder coatings. The product has good chemical resistance and is, because of its fine particle size, easily dispersed during the powder production process. This curing agent is compatible in all proportions with dicyandiamide and other accelerated dicyandiamide curing agents. The minimum cure schedule recommended is 6 mins at 150°C. (metal temperature).

Applications

- Household appliances (e.g. washing machines, ovens, dishwashers)
- Automotive components (e.g. underbody parts, trim, interior metal parts)
- General industrial equipment
- Furniture and shelving
- Metal office and storage systems

Features and Benefits

- High reactivity with epoxy resins allows short curing cycles
- Maintains excellent adhesion, hardness, and durability
- Compatible with dicyandiamide and most epoxy resins (solid or liquid types)
- Adjustable cure speed and performance via co-curing agents or accelerators
- REACH registered and compliant with major international inventory listings (details to be confirmed with Regulatory Team)
- Proven technology with use across multiple global powder coating markets
- Energy independent as a result of our on-site anaerobic digestion facility
- Trusted partner- celebrating 100 years of chemical manufacturing in 2026
- Global network of sales offices, direct logistics and US and UK formulating production centres ensuring security of supply and short lead times from stock.

Mode of Action

Casamid® 780 acts as a latent curing agent that remains stable during storage but activates upon heating. The accelerator system reduces the activation energy required for dicyandiamide to react with epoxy groups, thus achieving fast and efficient crosslinking with excellent thermal and chemical resistance.



Committed to Responsible Care



Thomas Swan
Industrial Specialities

Casamid® 780

Selling Specification

Appearance	White powder
Amine Value (mgKOH/g)	110-120
Moisture Content (%)	Max 0.2
Passing 75-micron sieve (%)	Min. 95

Packaging

Available in 25 kg nett weight, polyethylene lined, fibre board boxes.

Shelf Life

Store under cool, dry conditions. It is recommended that the material be used within 12 months of certification.

Handling

Avoid contact with the skin and eyes and wear appropriate dust mask. Further details can be obtained from the relevant Health and Safety Data Sheet.

Guidelines for Use

Recommended dosage: 5–6 parts per hundred resin (phr).

Ensure homogeneous dispersion during premix stage for optimal curing.

Suitable for both corona and tribo powder coating applications.

Inventory Status

Australia (AICS)	Canada (DSL/NDL)	China (IECSC)	Indonesia	Israel	Japan (ENCS)	Korea (MEO/ECL/AREC)	Malaysia (EHSNR)	Mexico (INSQ)
✓	✓	✓	✗	✗	✓	✓	✗	✗
New Zealand	Philippines (PICCS)	Taiwan (TCSI)	Thailand (TDCA)	Vietnam (VNECI)	UK (REACH)	EU (REACH)	US (TSCA/FDA)	
✓	✓	✓	✓	✓	Grandfathered	Registered	Active	

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