

Casamid® 1432

Reactive Matting Agent for Epoxy and Hybrid Powder Coatings



Ultra-Low Gloss finishes



Engineered for Maximum Toughness



UK manufacture, integrated global supply network

Product Description

Casamid® 1432 is a reactive matting agent designed to reduce gloss levels in dark-colored epoxy powder coatings. It enables smooth, matte finishes with high impact resistance and excellent surface uniformity. It is ideal for cost-sensitive formulations that require reliable performance without compromising mechanical strength.

Applications

- **Epoxy Powder Coatings:** enables deep-matte to semi-gloss finishes (5–15% gloss), ideal for appliance, automotive, and industrial components.
- **Hybrid Powder Coatings (Epoxy-Polyester):** delivers low to medium gloss (15–60% or higher), used in office furniture, hardware, and electronics housing with enhanced aesthetic control.
- **Architectural and Interior Coatings:** provides durable, smooth finish on metal substrates, especially suitable for darker tones where gloss control is critical.

Features and Benefits

- **Epoxy Powder Coatings:** Enables ultra-low gloss finishes (<5% gloss) with excellent visual uniformity.
- **Hybrid Epoxy-Polyester Coatings:** Delivers effective matting performance in low-polyester (<20%) hybrid systems.
- **Metal Furniture & Fixtures:** Offers smooth matte aesthetic with strong impact resistance.
- **Indoor Appliance Housings:** Provides durable, decorative matte finish with high thermal stability.
- **General Industrial Equipment:** Maintains film toughness while reducing gloss for professional, clean appearance.

Mode of Action

Casamid® 1432 chemically reacts during the curing process, modifying the crosslinking density to disrupt the formation of a high-gloss film. This controlled reaction results in a fine-textured surface that reflects less light while maintaining structural integrity and impact resistance.

Selling Specification

Appearance	free flowing, white powder
Sieve Analysis	minimum 95% passing 53 microns
Specific Gravity	0.89
Use Level	8-12 PHR



Committed to Responsible Care


Thomas Swan
Industrial Specialities

Casamid® 1432

Packaging

Available in 25 kg nett weight, non-returnable polyethylene kegs.

Shelf Life

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

Handling

Avoid inhalation of dust. Use in well-ventilated areas with appropriate dust protection.

Wear gloves and safety glasses to prevent direct skin or eye contact.

Refer to the Casamid® 1432 SDS for full handling guidance.

Guidelines for Use

Recommended Use Level: 8–12 parts per hundred resin (PHR)

Curing Schedules:

- 20 minutes @ 160°C
- 10 minutes @ 180°C
- 7 minutes @ 200°C (metal temperature)

Formulation Notes:

- Suitable for dark shades; not recommended for light-coloured systems due to possible discoloration.
- Avoid blending with other curing agents or catalysts.
- Ideal for systems where cost efficiency and performance are key.

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	

Limited Liability Information: The information contained herein is offered in good faith and is believed to be accurate at the time of printing. This information should not be used as a substitute for your own quality control and/or testing procedures to ensure that our products are safe, effective and fully satisfactory for the intended end use. Product use may be limited by regional and or regulatory restrictions. Customers are responsible for checking to ensure compliance with local regulations in countries where products are to be placed on the market. Thomas Swan does not accept liability for non-compliant products placed on the market in breach of local regulations.