

Casamid® 2228

Reactive Matting Agent for Exterior Powder Coatings



UV Resistant,
durable
performance.



Effortless dispersion
for a reliable shine



UK Manufacture,
integrated global
supply network

Product Description

Casamid® 2228 is a reactive matting agent specifically developed to deliver consistent, low-gloss finishes in exterior-grade powder coatings. Its unique chemical structure enables controlled gloss reduction in TGIC/polyester and glycidyl ester systems while maintaining excellent weatherability and mechanical performance.

Applications

- TGIC/Polyester powder coatings: enables low-gloss, weather-resistant coatings for outdoor environments
- Glycidyl ester systems: allows for single-step matting without additional additives
- Architectural finishes: provides UV stability and long-term aesthetic performance
- Automotive & metal furniture: delivers uniform surface appearance and mechanical durability
- Agricultural and garden tools: reduces surface glare while maintaining coating toughness and outdoor resistance

Features and Benefits

- Built-in chemistry achieves matte finishes without post-blending or secondary matting agents.
- Suitable for use with TGIC, glycidyl ester and other epoxy-reactive curing systems.
- Optimised particle size with $\geq 95\%$ below $53\mu\text{m}$ ensures uniform dispersion and predictable gloss levels.
- Stable under UV exposure and temperature variations, ideal for exterior use.
- Broad use range (70–110 PHR) enables gloss tuning for custom applications.
- Established product with consistent track record in powder coating systems.
- Supplied as a free-flowing, off-white powder for easy weighing and blending.
- 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® 2228 chemically reacts with epoxy functionalities during the curing phase. This controlled reaction modifies the crosslinking density and surface morphology, thereby reducing gloss levels without compromising coating integrity.

Selling Specification

Appearance	Off white powder
Sieve Analysis	minimum 95% passing 53 microns
Use Level	70-110 PHR based on unreacted epoxy compound



Committed to Responsible Care

Thomas Swan
Industrial Specialities



Casamid® 2228

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

Guidelines for Use

Addition Level: 70–110 parts per hundred resin (PHR), depending on desired gloss.

Curing Conditions: Typical metal temperature curing schedule:

- 20 min @ 180°C
- 15 min @ 190°C
- 10 min @ 200°C

Mixing: Premix thoroughly with other powder coating ingredients before extrusion.

Formulation Tip: Ensure uniform distribution of Casamid® 2228 in the formulation to achieve consistent gloss reduction.

TBC

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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