

Casamid® 710 Oiled

Reactive Matting Agent for Epoxy and Hybrid Powder Coatings



Highest assay,
lowest moisture of
any commercial
OTB



The only Western
manufacturer of
OTB



Sole European
REACH registered
supplier of OTB

Product Description

Casamid® 710 OTB Oiled is a curing agent of the substituted dicyandiamide type suitable for the production of epoxy resin-based powder coatings. The addition of oil reduces dusting and improves handling without affecting coating properties.

Casamid® 710 Oiled offers high gloss, good flow, colour stability and distinction of image in powder coatings. Thomas Swan is the only European, REACH registered Supplier of OTB.

Applications

Casamid® 710 OTB Oiled is used in the production of high gloss, colour stable, epoxy resin powder coatings. Powder coatings based on Casamid® 710 OTB Oiled are characterised by good flow and distinction of image. Minimum cure schedule recommended is 15 minutes @ 160°C (metal temperature)

Features and Benefits

- Higher Assay = More Purity: Leads to better crosslinking & curing in epoxy resins.
- Lower Moisture = More Stability: Reduces risk of side reactions and compaction during storage.
- Better Coating Performance: Enhances adhesion, gloss, & durability.
- Improved Processing: Lower moisture prevents dispersion issues & coating degradation.
- Higher Efficiency: Smaller quantities of Casamid® 710 OTB Oiled improve production efficiency and lower operational costs.
- Faster Curing: Casamid® 710 OTB Oiled accelerates cure speed, reducing curing times and speeding up production cycles.
- Consistent Quality: Reliable batch-to-batch results reduce defects and rework.
- Geographic Advantage: Only Western manufacturer of OTB, ensuring a stable, diversified supply chain with global sales, direct logistics, and US & UK production, reducing reliance on a single region.
- Regulatory Compliance & Reputation: Sole European REACH-registered supplier of OTB, ensuring exceptional reliability and trust in global markets

Mode of Action

Casamid® 710 Oiled facilitates the cross-linking reaction in powder coatings, acting as a reactive curing agent. It interacts with the resin components in the coating formulation, promoting the formation of a robust and durable polymer network. This results in coatings with enhanced mechanical strength, chemical resistance, and overall durability.

Packaging

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



Committed to Responsible Care



Thomas Swan
Industrial Specialities

Casamid® 710

Physical and Chemical Properties

CAS Number	93-69-6
Chemical Name	o-Tolyl Biguanide
Melting Point (°C)	143-145 °C (lit)
Boiling Point (°C)	316.98 °C (estimate)
Density	1.0790 °C (estimate)
Flash Point	>230 °F
Solubility	Slightly soluble in water
Form	Powder to crystal
Colour	White to almost white

Selling Specification

Assay	Min 95%
Sieve Analysis	Min 95% passing 75 microns
Melting Point (°C)	139-143 °C
Melt time	0.4% Max
Specific Gravity	1.00
Moisture (5%)	0.4% Max

Shelf Life

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

Handling

Handling Avoid contact with skin and eyes. Please refer to the current Safety Data Sheet for more information.

Guidelines for Use

The recommended dosage level is 5-6 phr. Minimum cure schedule recommended is 15 minutes @ 160°C (metal temperature).

Inventory Status

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

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