

# Casamid® 710

## 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 by Thomas Swan is a curing agent of the substituted dicyandiamide type. It is suitable for the production of rapid reacting epoxy resin powder coatings and is also used in clear interior epoxy coatings.

Casamid® 710 OTB 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

Interior epoxy coatings curing agent for high gloss, good flow, colour stability and distinction of image in powder coatings.

### 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 improve production efficiency and lower operational costs.
- Faster Curing: Casamid® 710 OTB 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 OTB 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<sup>®</sup> 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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