



Gypdeco Forma

Technical & Safety Datasheet



CORNICE
APPLICATIONS



PRODUCTIVITY
GAIN



ADD TO WATER
AND MIX

INTRODUCTION

PRODUCT DESCRIPTION

Gypdeco Forma is a white powder formulated product, produced from natural and mineral materials to be easily used in the manufacturing of fibrous plasterwork, and decorative plasterwork (hard and lightweight cornices), and giftware (small statues).

APPLICATION

Fibrous plasterwork light weight cornices applications.

BENEFITS

- Only one raw material required in the warehouse (save space for final product stock).
- Increases the productivity of the manufacturer.
- Stable formulation with stable specs, and consistent performance.
- Provides suitable working time for high-quality manufacturing.
- Produces hard casts with good fine details.
- Saves time and effort to formulate the powder locally with many materials in site.
- Simple formulation, just adds to water and mix.

TYPICAL PROPERTIES

Fineness (Alpin)	1-3%
Whiteness of powder	94-98%
Water plaster ratio	40-50ml/100gm
Initial setting time	10-14min
Final setting time	18-22min
Fluidity	180-220mm
Surface hardness	75-80 Shore D
Surface hardness	35-45N/mm ²
Bending strength	5.5-7.5N/mm ²
Compressive strength	25-30N/mm ²
Water absorption	6-12% after 2 hour 16-22% after 24 hour 16-22% after 7 days

PRODUCT PREPARATION & MIXING RATIO

Please use the recommended water ratio of (40-50% by weight of the product), with a mixing time of 1 to 3 minutes until you get a homogenous mix using a mechanical mixer.

Changes in the powder to water ratio may affect the product performance, particularly setting time and strength.

SHELF LIFE AND STORAGE

Gypdeco Forma should be stored in a dry place, away from moisture or any sources of water, and preferably stored over wooden pallets and covered with an impermeable layer of water if possible, to maintain the stability of quality for the longest possible period.

The stored product should be consumed on a first-in, first-out basis.



IDENTIFICATION OF THE SUBSTANCES

Recommended uses: Gypdeco Forma is used for GRG applications.

HAZARD IDENTIFICATION

INHALATION

Exposure to dust generated during the handling or sanding of the product may cause temporary irritation to eyes, skin, nose, throat, and upper respiratory tract. Persons subjected to large amounts of this dust will be forced to leave area because of nuisance conditions such as coughing, sneezing and nasal irritation. Difficulty breathing may occur after excessive inhalation. If respiratory symptoms persist, consult a physician.

EYES

Dust can cause temporary mechanical irritation of eyes. If burning, redness, itching, pain or other symptoms persist or develop, consult a physician.

SKIN

Discomfort or pain cannot be relied upon to alert a person to hazardous skin exposure. Consequently, the only effective means of avoiding skin injury or illness involves minimizing skin contact, particularly with wet products. Prolonged exposure can cause severe damage in the form of (alkali) chemical burns.

POTENTIAL ENVIRONMENTAL EFFECTS

This product has no known adverse effect on ecology.

WARNING: This product is not expected to produce any unusual hazards during normal use. Exposure to high dust levels may irritate the eyes, nose, throat, skin, or upper respiratory tract.

FIRST AID MEASURES

GENERAL INSTRUCTIONS

No particular measures required.

INHALATION

Remove the person to fresh air. Seek medical help if coughing and other symptoms do not subside.

SKIN

Wash skin with cool water and pH-neutral soap or mild detergent. Seek medical treatment in all cases of prolonged exposure to a wet product or prolonged wet skin exposure to a dry powder if needed.

EYE

Immediately flush eyes thoroughly with water. Continue flushing for at least 15 minutes, including under lids, to remove all particles. Call the physician immediately.

INGESTION

Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately.

NOTE: Any symptoms persist should obtain medical assistance.

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

All fire extinguishers are suitable media, observing normal firefighting procedures.

SPECIAL DANGER

At higher temperatures (more than 1200 degree Centigrade) Sulphuric trioxide will appear.

ADDITIONAL NOTICE

In contact with water, the product will harden. Product does not burn itself.

PLEASE NOTE, any symptoms persist should obtain medical assistance.

ACCIDENTAL RELEASE MEASURES

Control and suppress dust formation, vacuum or sweep up and shovel into bags.

Prevent plasters contaminating drains and watercourses as a powder or slurry.

Refer to section 8 - Exposure/protection and section 13 - Disposal considerations.

Personal precaution measures: Avoid dust

Environmental protection measures: None

Method of cleaning/sweeping up: Mechanical pick up, pick up in dry state.

EXPOSURES CONTROLS & PERSONAL PROTECTION

Hand protection: Highly recommended to use gloves.

Eye protection: Wear protective glasses against splashes.

Respiratory protection: Avoid actions that cause dust to become airborne. Use local or general ventilation to control exposures below applicable exposure limits.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Dry white powder

Odor: Odorless

Color: White

pH: Alkali

Basic material: Gypsum salts

Physical state: Solid (powder)

Additives: Retarder

STABILITY AND REACTIVITY

Conditions to be avoided: No dangerous reactions are known.

Substance to be avoided: Acids, ammonium salts, and phosphorus.

Dangerous products of decomposition: None, when working with higher temperature (over 1200°C) hazardous sulphuric can develop.

TOXICOLOGICAL INFORMATION

Inhalation: Unknown long-term effects. The dust may irritate respiratory system.

Skin: Contact the powder for long time may dry skin, leading to irritation, if contact is prolonged or skin is sensitive.

Eye: Contact the powder or wet mix splashes may irritate by particulate and must be washed out immediately to reduce immediate discomfort and any possibility of long-term damage.

Ingestion: Unknown.

ECOLOGICAL INFORMATION

Eco toxicity: No recognized unusual toxicity to plants or animals.

DISPOSAL CONSIDERATIONS

Contaminated packaging: Dispose of empty bags according to the local regulations.

Contaminated material: Dispose of waste material according to local, state and federal regulations.

TRANSPORT INFORMATION

Not classified as hazardous for transport.

REGULATORY INFORMATION

Not classified as hazardous under the Chemicals (Hazard, Information and Packaging for Supply).

OTHER INFORMATION

Dust generated from cutting the product by a saw or sanding the product can cause irritation to the eyes, skin, and respiratory tract. Wear eye, skin, and respiratory protection as necessary per working conditions. If eye contact occurs, flush with water for 15 minutes. Do not ingest. If ingested, call the physician.

This product should only be used by knowledgeable persons. While the information provided in this datasheet is believed to provide a useful summary of the hazards of this product as it is commonly used.



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