

Plaster Of Paris POP

MD-PLAST 800

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Plaster Of Paris

POP

- ▶ **Super White**
- ▶ **Fire resistance**
- ▶ **Molding plaster**



Plâtre De Paris
Super blanc
Résistance au feu
Moulage en plâtre



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➤ PROPERTIES

- ❑ Color: White
- ❑ Odor: Low odor
- ❑ Appearance form: Fine powder
- ❑ Relative density: 750 kg/m³
- ❑ Solubility: partly soluble 2.0 – 2.5 g/l 20°C

➤ COMPOSITION

MD-PLAST 800 is gypsum powder is a moderate setting gypsum powder suitable for many building purposes.

➤ PROTECTIVE MEASURES

FIRST AIR MEASURES

- ❖ Avoid breathing dust. Move to fresh air and keep comfortable.
- ❖ Wash hands thoroughly after handling.
- ❖ If in contact with your eyes immediately wash them with tap water for 10 minutes.
- ❖ If swallowed, wash your mouth with water. Drink a substantial amount of water.

FIRE FIGHTING MEASURES

- ❖ MD-PLAST 800 is nonflammable.
- ❖ The products does not pose a fire hazard.

ACCIDENTAL RELEASE MEASURES

Use a shovel to put the material into a convenient waste disposal container.

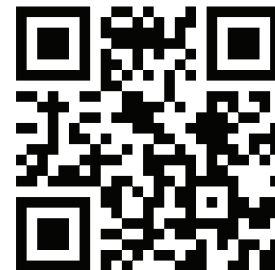
- ❖ Avoid breathing dust.
- ❖ Avoid contact with your eyes.
- ❖ Wear respiratory protection.
- ❖ Wear gloves during handling and application.

STABILITY AND REACTIVITY

- ❖ **Reactivity:** The product is stable and non-reactive under normal conditions of use, storage and transport.
- ❖ **Chemical stability:** Material is stable under normal conditions.

TOXICOLOGICAL INFORMATION

- ❖ Products are Non-Toxic
- Products are not Mutagenic or Carcinogenic and are not toxic to the reproductive cycle.
May cause irritation to the eyes and respiratory system, with no known long-term effects.



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ECOLOGICAL INFORMATION

Stable product with no toxicity effect on plants or animals.

DISPOSAL CONSIDERATIONS

Dispose at an authorized landfill site according to regulations.

TRANSPORT INFORMATION

Not classified as hazardous for transportation.

Not classified as DGR according to IATA regulation.

RECOMMENDED EXPOSURE

Total dust: ACGIH TLV 10 mg/m³ Total air contaminants: OSHA TWA 15 mg/m³

Respirable fraction: OSHA TWA 5 mg/m³

SPECIFICATIONS	UNIT	VALUE	STANDARD
Water ratio	%	70	ASTM C472
Physical state	powder	-	Visual inspection
Appearance	white fine powder	-	Spectrophotometer
Initial setting time	min	4 to 7	ASTM C472
Final setting time	min	15 to 20	ASTM C472
Fineness on 150 µ sieve	%	≥ 95	ASTM C472
Fineness on 250 µ sieve	%	100	ASTM C472
Fineness on 600 µ sieve	%	100	ASTM C472
Combined water at 230 c	%	5 to 6	ASTM C471
Compressive strength	N/mm ²	≥ 12 MPa	ASTM C472
Flexural strength	N/mm ²	≥ 1	EN 13279
Purity as CaSo4.2H2O	%	≥95	ASTM C471
Insoluble residue + silica dioxide	%	≤ 0.17	ASTM C471
Sodium chloride NaCl	NA	-	ASTM C471
Calcium oxide CaO	%	≥ 42	ASTM C471
Sulfur trioxide SO3	%	≥53	ASTM C471
Fluidity (slump test)	mm	160 to 200	EN 13279

LIMITATIONS

MD-PLAST 800 is not classified as a hazardous substance. It is slightly hazardous in case of skin contact (irritant), eye contact (irritant), ingestion, or inhalation.

Manufactured according to ASTM & EN standards



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STORAGE AND HANDLING

The product is suitable for use within 12 months after the production date.

- ❖ If the product becomes moist, hardened lumps will develop, which deteriorates its properties.
- ❖ It must be stored in a dry place with no contact with the ground in order to be protected against humid



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