

# CASTING PLASTER

## Specialty Plasters



Specification	Feature
Colour	Off-white
Working Time	20 mins
Packaging	20 kg bag
VOC	3 g per litre
Manufacture	Manufactured in Australia in accordance with AS/NZS ISO 9001:2015 - Quality Management Systems - Requirement

### Description

Casting Plaster is a general purpose plaster developed and manufactured for use in the production of plaster craft replications. It provides reproductions that are of medium hardness which makes it suitable for carving and turning.

### Advantages

- Medium hardness
- General purpose plaster
- Uses including the production of fibre reinforced cornice sections, cast panels, tiles, ceiling roses, statuary, giftware, articles and models

### Avoid

- Avoid using in extreme climatic conditions or environment where the risk of early dry outs exists
- The inclusion of other materials to a mix will impair the performance (eg. reduced strength and poor adhesion) and void the product warranty
- Do not overmix product, as this may reduce working time
- **DO NOT** make enclosed casts of body parts like hands or fingers. Always follow the Application, Mixing, and Safety warnings on the plaster packaging. Plaster releases heat while setting, which can cause serious burns if used for fully enclosed casts
- Once setting has commenced the material cannot be remixed and must be discarded

#### Key



1st Coat & Taping



Finishing



Mechanical & Hand Tools



Bonding



2nd Coat



Sandable



Patching

## Mixing

- Always use clean, cold potable water and clean containers and tools for mixing. Using dirty containers/water/tools may affect the working time and set strength
- Weigh plaster and measure water accurately for each mix to ensure uniform moulds or casts
- Do not mix with residues of previously used compounds
- Always add Casting Plaster powder to water (5 kg of powder to 3.25 L of water)
- Mix only enough compound for stated working time when using setting compounds
- Mix by hand or with a power mixer (max of 400 RPM – mixing at higher speeds may draw air into the mix, creating air bubbles)
- Pour the plaster into the mould, tapping or vibrating the mould to avoid air bubbles. Allow plaster to set completely before removing from the mould
- Dry plaster casts and objects thoroughly. Casts can be air or oven dried. Oven drying should be carried out in a thermostatically controlled fan forced oven with temperatures not exceeding 45°C

## Application

- When producing plaster casts, it is important to record the water to plaster ratio used in the trials so that mixes can be adjusted according to experience
- Weighed quantities of plaster should always be used as the bulk density is variable and measurement by volume is unreliable
- Strength, hardness and density of a plaster cast is directly related to the quantity of water used for gauging, which should be kept to a workable minimum. (Recommended water : plaster ration is 65:100)
- Thoroughly clean all tools and equipment after use

## Installation, Jointing and Finishing

Knauf has a comprehensive range of jointing and adhesives compounds in premixed or powder form to meet market needs and varying climatic conditions. Apply appropriate painting system or other finishes as recommended for the required level of finish and application. This product data sheet does not provide plasterboard installation, jointing and finishing details. Refer to Knauf Plasterboard Installation Manual or [knauf.com](http://knauf.com) for further information.

## References

For detailed information on Volatile Organic Compound (VOC) emissions, please visit [knauf.com](http://knauf.com).

## Storage

- Casting Plaster should be stored under cover in a dry environment and protected from temperature extremes; storage in an unsuitable environment can shorten the life of this product
- It is recommended that Casting Plaster is used before the best before date displayed on the bag

## Safety and First Aid

- Dust from this product contains silica. Prolonged inhalation may be harmful to health
- Ensure adequate ventilation. Wear eye protection and an approved disposable respirator which conforms to AS1716: 2012 Type P2
- If dust or paste causes irritation use impervious PVC, nitrile or rubber gloves. Wash exposed skin after handling. If product gets into the eyes, wash thoroughly with clean water
- Do not ingest contents of package. If ingested, seek medical advice immediately
- Keep contents out of reach of children

For detailed safety information, including handling and first aid guidance, please visit the relevant product page on [knauf.com](http://knauf.com) to access the safety datasheet and additional resources.

### Handy Links



See The Full Range Of Compounds & Adhesives



Scan Here For Where to Buy

### Technical Assistance

TecASSIST™ 1800 811 222

### Sales Enquiries

1800 003 377

[knauf.com](http://knauf.com)

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