

Jetgips Base®

Technical Data Sheet 12/2023



Jetgips Base®

Lightweight gypsum building plaster

Product Description

Perlite containing premixed gypsum-based dry mortar for interior surfaces.

Storage

Bags should be kept in a dry environment in their original packages on pallets horizontally. Pallets should be prevented from direct contact with water and should not be exposed to direct sunlight. Seal damaged and opened bags should not be used. The product can be stored for 6 months.

Standards referred to

TS EN 13279 - 1 Type : B4, Lightweight gypsum building plaster

Fields of Application

Surfaces for all interior walls and ceilings;

All kind of masonry like brick, briquette, pumice block, aerated concrete etc., exposed concrete, as well as on cement plasters.

Properties

- Machine application
- Air flow permeability
- Contribution to thermal and sound insulation values
- A1 class material (non combustible)
- Easy and fast application

Application

Substrate and pretreatment

Clean the substrate of dust and loose parts and remove, ensure that the surface is smooth. All substrates must be stable, dry, even and free of grease and dust as well as free of any residual substances that may reduce the adhesion.

Suitable primer depending on the substrate should be applied before application. Ensure that the drying time for the primer coats is observed before continuing work.

With a material change in the plaster substrate, with insulation boards, etc., reinforcement mesh should be used.

Application

- Clean the surface and repair if necessary.
- The surface should not be over dry or wet before the application.
- Use Knauf Betokontakt Primer on exposed concretes.
- Use aligning (ano) strips during plaster application for a leveled surface.
- Premixed gypsum-based mortar is prepared by mixing with G4® PFT® machines and mixer pumps. The amount of water to be taken into the system in the machine is adjusted with the help of a water meter so that the plaster has the thinnest consistency that will enable a perfect application on the existing floor and the specified plaster thickness. This ratio is usually around 4 - 5 L / 10 kg. The prepared mortar is easily delivered to the spray nozzle and a smooth, easy to spread plaster is obtained.
- Spray Jetgips Base® from top to bottom between the ano strips with a distance of 10-15 cm and strike-off. Application thickness should be minimum 10 mm and maximum 25 mm on the wall and minimum 10 mm and maximum 15 mm on the ceiling. Apply the product as levels for thicker applications.
- Use Knauf Gypsum Corner Profiles for external corners and use Knauf Plaster Mesh for different material transitions.
- Strike off with a steel trowel and/or a hand straight edge for the second time before the surface is hardened completely. According to the desired surface quality, for smoother surfaces use Satengips.
- Use PFT Plaster Machines for the best performance.

Application tools

Trowel, steel trowel, spatula, PFT plaster machines, aligning strips, corner profile

Application temperature

Do not apply material at air and/or substrate temperatures below +5°C and above +30°C. Protect freshly applied mortar and applied plaster from frost until fully dry.

Working time (on the Applied Surface)

160-180 minutes depending on the plaster substrate.

Safety Instructions

- Wash hands with plenty of water after handling.
- Use protective gloves / protective clothing / eye protection / face protection.
- In case of contact with eyes: Rinse your eyes cautiously with water for several minutes. If there is a lens remove it and continue to rinse.
- If eye irritation persists: Get medical advice / attention.

Technical Properties

| Description | Unit | Value |
|---------------------------------------|-------------------|-------------------------------------|
| Color | - | White, white-gray, white-beige |
| Application thickness | mm | 10 - 25 (wall) 10 - 15 (ceiling) |
| CaSO ₄ gypsum ratio | % | > 50 |
| Compressive strength | N/mm ² | > 2 |
| Bending tensile strength | N/mm ² | > 1 |
| Bonding strength | N/mm ² | > 0,1 |
| Reaction to fire | - | A1 |
| Initial Setting Time | min. | > 50 |
| Working Time (on the Applied Surface) | min. | 160 - 180 |
| Water ratio (for 10 kg mortar) | L | 4 - 5 |
| Application temperature | °C | 5 - 30 |
| Shelf life | month | 6 |

Material Consumption

| Product | Unit | Consumption |
|---------------------------------|-------------------|--------------|
| Jetgips Base® (10 mm thickness) | kg/m ² | approx. 11,5 |

Packaging

| Description | Weight (kg) | Packaging (pcs/pallet) | Material Number |
|---------------|-------------|------------------------|-----------------|
| Jetgips Base® | 35 | 45 | 517494 |

System Performance Values

Please check for detailed information;
[Knauf Technical Website](#)
[Document Center](#)

Application

It is suggested to follow the technical details which given on Knauf system brochures for application.