

Jetgips Ultra 40[®]

Technical Data Sheet 12/2023



Jetgips Ultra 40[®]

Machine applied gypsum plaster

Product Description

Perlite containing machine applied gypsum plaster.

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 C4/20, thermal insulation 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

- Air flow permeability
- Smooth surfaces for fine finishing
- A1 class material (non combustible)
- Contribution to thermal insulation
- Extended working time
- Easy and fast application
- 40% more area covered compared to Knauf Jetgips Ultra[®]

Application

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 5 - 7 L / 10 kg. The prepared mortar is easily delivered to the spray nozzle and a smooth, easy to spread plaster is obtained.
- Spray Jetgips Ultra 40 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 for the second time before the surface is hardened completely. Damp the surface after it's hardened and apply sponge float trowels. After the plaster surface has set lightly, smoothen the surface with a steel (finishing) trowel.
- It's not required to apply satin finishing gypsum after Jetgips Ultra 40.
- Keep the bags on pallets in a dry place as not to contact with water.
- Use PFT Plaster Machines for best performance.

Application tools

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

Safety Instructions

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)

About 180-220 minutes depending on the plaster substrate.

- 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 Data

Description	Unit	Value
Color	-	White, white-grey, white-beige
Application thickness	mm	10 - 25 (Wall) 10 - 15 (Ceiling)
Reaction to fire	-	A1
Thermal conductivity, λ	W / mK	0,30
Initial Setting Time	min	> 20
Working Time (on the Applied Surface)	min	180 - 220
Amount of mixing water (for 10 kg mortar)	L	5 - 7
Application temperature	°C	5 - 30
Shelf life	month	6

Material Consumption

Product	Unit	Consumption
Jetgips Ultra 40® (10 mm thickness)	kg/m ²	approx. 8
Knauf Corner Profile (U/V/Aluminium)	m	acc. to project
Perforated Corner Trim 90° / 135° (Steel/Aluminium)	m	acc. to project
Reinforcing Mesh* (100 gr)	m ²	acc. to application

*Used with surfaces with high cracking risk (should overlap 10 cm on joints) and/or use at for different material transitions.

Packaging

Description	Weight (kg)	Packaging (pcs/pallet)	Material Number
Jetgips Ultra 40®	25	60	517102

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.