

Jetcement Ultra

Technical Data Sheet 12/2023



Jetcement Ultra

Cement-based machine plaster

Product Definition

Machine applied cement-based plaster on surfaces like brick, briquette, aerated concrete, exposed concrete etc. for indoor and outdoor applications.

Storage

The bags should be stored horizontally on a flat surface such as a wooden pallet and kept dry so that they do not come into contact with water. Partly opened and / or damaged bags should not be used. Product shelf time is 12 months.

Standards comply with

TS EN 998 - 1: 2017

General purpose rendering mortar (GP) for internal and external use (CSIV)

Fields of Application

- It can be used indoors on brick, briquette, aerated concrete, exposed concrete, etc. surfaces, and as a bonding surface under tiles and ceramics.

Properties

- Smooth surface for finishing coats
- Vapour-permeable
- Easy and fast application
- Extended working time
- Weather resistant

Application

Surface Preparation

Clear all of the subsurfaces of foreign and chemical materials like dust, paint, form oil and 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. While checking the surface, attention should be given to the following situations and necessary precautions should be taken:

- Unsuitable surfaces (eg. moldy surfaces, slippery surfaces, oiled surfaces, non-absorbent surfaces, frozen surfaces, different types of surface materials)
- High building humidity
- Too much roughness

Manual control should be done to see if the surface is dusty and dirty at more than one point. Dust and dirt are removed with a broom or brush, washed if necessary and left to dry.

Application

- Use aligning (ano) strips during plaster application for a leveled surface. Use Knauf Corner Profiles for external corners. Use Knauf Plaster Corner Bead for corners and use Knauf Reinforcing Mesh for different material transitions or areas with movement risk.
- Ready plaster 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 allow a perfect application on the existing floor. This ratio is generally around 7.5 - 8.5 lt (for a 40 kg bag). The prepared mortar is easily transferred to the spray head and a smooth, easy-to-spread plaster is obtained.
- Spray Jetcement Ultra horizontally 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.
- It's recommended to prepare mortar as much as required and consume the prepared mortar within 3 hours at most. Do not add water to the mortar that started to harden. Do not add any foreign materials (lime, sand, cement, gypsum etc.) into the prepared mortar.

Application Tools

Trowel, steel trowel, PFT® plaster machines, ano strips

Application Temperature

Do not apply below +5°C or above +30°C ambient, material and / or floor temperature. Fresh mortar should be protected against frost and quick drying.

Working Time (on the Applied Surface)

3 hours

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 Data

Description	Unit	Value
Color	-	Grey
Application thickness (for single layer applications)	mm	min. 10, max. 25 (wall) min. 10, max. 15 (ceiling)
Density	kg/dm ³	1300 - 1800
Compressive strength 28 days	N/mm ²	CS IV ≥ 6
Capillary water absorption	-	W2
Water vapour diffusion resistance	μ	≤ 15
Thermal conductivity λ	W / mK	≤ 0,67 (P=%50) ≤ 0,76 (P=%90)
Reaction to fire	-	A1
Working time (on the Applied Surface)	hour	3
Amount of mixing water (for 40 kg dry plaster)	L	7,5 - 8,5
Application temperature	°C	5 - 30
Bonding strength (28 days)	N/mm ²	≥ 0,08

Material Consumption

Definition	Unit	Consumption kg/m ²
Jetcement Ultra	10 mm thickness	15
	15 mm thickness	23
	20 mm thickness	30
	35 mm thickness (double layer)	53,5

Packaging

Definition	Weight (kg)	Packaging (pcs/pallet)	Material ID
Jetcement Ultra	40	42	533596

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.

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