

Multiment

Technical Data Sheet 12/2023



Multiment

Cement based adhesive and repair mortar

Product Description

Machine and hand applied cement based plaster used in external thermal insulation systems

Storage

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

Standards referred to

TS EN 998-1:2017 General purpose rendering mortar (GP) for internal and external use (CSIV)

Fields of Application

- Adhesive for external thermal insulation product like EPS, mineral wool etc., as a repair mortar, and as a reinforcing mortar on facades.

Properties

- Smooth surface for finishing coats
- A1 class material (non combustible)
- Air permeability
- Easy and fast application
- Extended working time
- Weather resistant

Application

Surface Preparation

Clear all of the subsurfaces of foreign and chemical material like dust, paint, oil and repair the surface with Knauf Multiment if there are any holes, cracks, gaps etc. on the surface. Suitable primer should be applied before starting the application on the subsurfaces like exposed concrete with low adherence or on surfaces with high water absorption like aerated concrete. You can apply plaster on the surface after the primer dries (min. 24 hours).

Application

- Stir the ready to use plaster with mixer and spraying machine until it's properly tempered. When performing application manually, pour the plaster into the water in a clean container according to the given mixture quantity of mortar and mixed at low speed with a mechanical mixer until achieving a homogeneous mixture.
- It is 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 et.) into prepared mortar. Do not perform application on the surfaces which are frozen, melting, or posing frost hazard within 24 hours. In case the surface temperature which the application will be performed is above 30°C, damp the surface.

In case the mortar is used as an adhesive

If the application surface is not smooth; apply Multiment uninterruptedly throughout the corners of the thermal insulation boards and as block in the middle. If the application surface is smooth, apply Multiment with a notched trowel as not to leave any space on the back surface of thermal insulation boards. After thermal insulation boards are adhered, close the gaps between the boards with Multiment.

In case the mortar is used as a plaster

Multiment should be sprayed on the thermal insulation boards with machine or applied through steel trowel. Embed the plaster mesh into the mortar as to be close to the external surface of the plaster before the mortar dries. Plaster the plaster mesh until the pores disappear before the plaster is hardened. Thickness of the plaster should be average 5mm and the joints of plaster mesh should be overlap each other by 10 cm. For each 1 mm plaster thickness application, drying time is about 1 day.

Application Tools

Trowel, steel trowel, putty knife

Application Temperature

Application at temperatures below 5°C is not recommended. The newly applied plaster must be protected against direct sun, frost, rain and wind until completely dry.

Working Time (on the Applied Surface)

3 hours

Safety Instructions

- After handling, wash hands with plenty of water.
- Wear protective gloves / protective clothing / eye protection / face protection.
- In case of eye contact: Rinse cautiously with water for several minutes.
- If you have a lens in your eye and are easy to remove, go on.
- If eye irritation persists: Get medical advice / attention.

Technical Data

Description	Unit	Value
Color	-	Grey
Amount of mixing water (per bag)	L	5 - 6
Capillary water absorption	-	W2 (C ≤ 0,20 kg/m ² min. 0,5)
Compressive strength 28 days	N/mm ²	CS IV (≥ 6)
Water vapour diffusion resistance	μ	≤ 15
Thermal conductivity λ10 (dry)	W / mK	≤ 0,45 (P=%50) ≤ 0,49 (P=%90)
Reaction to fire	-	A1
Working Time (on the Applied Surface)	hour	3
Application temperature	°C	5 - 30
Bonding strength 28 says	N/mm ²	≥ 0,08

Packaging

Description	Weight (kg)	Packaging (bag/pallet)	Material Number
Multiment	25	66	591191

System Performance Values

Performance values as sound insulation, fire resistance etc. may differ acc. to the drywall system to be applied. Please check the performance values of the drywall systems;

[Knauf Technical Website](#)
[Document Center](#)

Application

Application should be done acc. to the applicable standards (TS 1475) and acc. to the Knauf Technical Brochures of the respective drywall system.

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