

Satencement

Technical Data Sheet 12/2023



Satencement

Cement based reinforced mortar for ETICS

Product Definition

Cement based reinforced mortar used for external thermal insulation systems (ETICS) and forming solid bottom surfaces for plasters and finishing coats. Can be applied either by machine or by hand.

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 referred to

TS 13687

EN 998-1

Fields of Application

Cement based reinforced plaster for ETICS and applied on EPS, XPS and mineral wool insulation boards.

Properties

- High adhesion strength
- Flexibility and resistance to cracking
- Water repellency
- Extended working time

Application

Surface Preparation

Any substrates on the surface applied such as dust, paint, mold oil and foreign chemicals should be removed and holes, cracks, space, etc. in the surface should be repaired with Yapticement. Surfaces with high water absorbency such as aerated concrete or lower water absorbency such as concrete should be primed before application. Plaster can be applied to the surface after the primer is completely dry (min. 24 hours later)

Mixing

Continue mixing ready-to-use plaster by proper mixing and spraying machine. Especially for application by hand, after the material is poured in to the cycle, it should be mixed with mechanical stirrer until a homogenous mixture is obtained.

Application

- The mortar with extended working time, is sprayed or applied by help of a steel trowel on to thermal insulation boards. Knauf reinforcement Mesh should be embedded in to the plaster but must be close to the outer surface. The pores appeared after the mesh is applied, should be plastered until they disappear. Plaster thickness is 5 mm in average. The overlapping of the reinforcement mesh should be 10 cm above each other.
- The drying time for each 1 mm layer is 1 day.
- It is recommended to prepare enough amount of mortar to be consumed within 3 hours.
- Do not add water in to the mortar which starts to solidify. No additional substances or materials (lime, sand, cement, plaster etc.) are allowed to add in to the prepared ready to use mortar. Plaster should not be applied on surfaces which are frozen or frost hazard is expected within 24 hours. The application surface should be moistened, if the temperature on the surface is above 30°C.

Application Tools

Trowel, steel trowel, PFT® G4 D4-3

Application Temperature

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

Working time (on the Applied Surface)

About 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 Properties*

Description	Unit	Value
Color	-	Grey / White
Application thickness	mm	5
Density	kg/m ³	1550±350
Capillary water absorption	-	W2
Water vapour diffusion resistance	μ	≤ 15
Reaction to fire (EN 13501-1)	-	A1
Thermal conductivity λ	W / mK	≤ 0,70 (P=%50)
Compressive strength 28 days	N/mm ²	CS IV ≥ 6
Bonding strength 28 days	N/mm ²	≥ 0,08
Working Time (on the Applied Surface)	hour	3
Amount of mixing water (for 25 kg dry plaster)	l	5 - 6
Application temperature	°C	5 - 30

* Specified technical data obtained by test results done according to related Norms. There may be deviations in these values in the construction site.

Material Consumption

Definition	Unit	Consumption
Satencement (for 1 mm thickness)	kg/m ²	1,5

Packaging

Definition	Weight (kg)	Packaging (pcs/pallet)	Material ID
Satencement Grey	25	66	50114
Satencement White	25	66	140177

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.