

### Serpacement®

Technical Data Sheet

12/2023



## Serpacement®

Cement based mortar

### Product Description

It is a pre-spreading mortar that can be applied by machine or hand in indoor and outdoor places in order to prepare the substrates for plaster application.

### 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. Shelf life; 12 months from the production date in its packaging provided that it is dry and free of moisture. It is recommended to consume within 7 days after opening the bag.

### Standards referred to

TS EN 998-1 General Purpose Rendering Mortar (GP) for Internal and External Use (CSIV)

### Fields of Application

Indoor and outdoor bricks, briquettes, aerated concrete, concrete etc. on wall and ceiling surfaces.

## Application

### Application

- Clear all of the subsurfaces of foreign and chemical materials like dust, paint, form oil and repair the surface with Yapticement if there are any hole, crack, gaps etc. on the surface. Prime the surfaces before starting the application for complete adherence. You can apply plaster on the surface after the primer dries (min 24 hours.)
- Use aligning (ano) strips during plaster application for a leveled surface. Use Knauf Corner Profiles for external corners.
- Pour the plaster into the water in a clean container according to the appropriate mixture ratio and mix at low speed with a mechanical mixer until achieving a homogeneous mixture.
- Apply Decocement on the surface at equal thickness with a steel trowel. Perform the application from top to bottom. Application thickness is according to the largest grain size. Patterning process should be performed vertically or circularly according to the desired surface look with the help of a plastic trowel while the mortar is still wet on the wall.
- In case the surface temperature to which application will be performed is above 30°C, damp the surface.
- It's recommended to prepare mortar as much as required and consume the prepared mortar within 1 hour at most. Do not add water to the mortar that started to harden. Do not add any foring materials (lime, sand, cement, gypsum etc.) into the 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. Avoid performing application in damp, hot and windy weathers.
- To prevent pattern differences (unevenness) on wider surfaces, it's recommended to perform the application at one time and without taking any breaks.
- For futher information, please refer to [www.knauf.com.tr](http://www.knauf.com.tr) or hotline from 444YAPI (9274).

### Application Tools

Spatula, trowel, gauge etc.

### 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)

Depending on the surface of the plaster varies from 160 to 180 minutes.

## 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
Reaction to fire	-	A1
Compressive strength 28 days (N / mm <sup>2</sup> )	-	CS IV ≥ 6
Bond strength 28 days (N / mm <sup>2</sup> )	N/mm <sup>2</sup>	≥ 0,08
Capillary water absorption	-	W2
Thermal conductivity λ 10 (dry)	W/mK	≤ 1,50 (P=%50) ≤ 1,64 (P=%90)
Water vapor permeability coefficient (μ)	μ	≤ 25
Durability to freezing and dissolving	-	NPD

### Packaging

Description	Weight (kg)	Packing (bag / pallet)	Material Number
Serpceмент®	40	36	288012

### 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 and acc. to the Knauf Technical Brochures of the respective drywall system.

▶ 444 YAPI - 9274

▶ [www.knauf.com.tr](http://www.knauf.com.tr) / [www.teknik.knauf.com.tr](http://www.teknik.knauf.com.tr)

▶ [teknik@knauf.com](mailto:teknik@knauf.com)

Center: Knauf Moment Beştepe Office, Beştepe Mah. 32.Cadde No:1/212-218 06560 Beştepe-Yenimahalle / ANKARA Tel: 0312 297 0100 Faks: 0312 266 4506