

ÇIMSTONE® Flooring



Recommended Installation Method For Flooring



PREPARING THE SUBSTRATE

The substrate must be absolutely flat, stable, solid, free of cracks, smooth and clean of any dust, debris, oils or any similar substances they may cause tiles to break free.

Concrete restorations up to 1cm deep can be done with the adhesive recommended 1 day prior to installation. Deeper restorations must be treated with restoration mortar 2-3 days before installation.

Before laying tiles on screed surfaces, insure that surface is completely cured and free of moisture. For every 1cm thickness of screed, it is recommended to start installation after 6-8 days.



PREPARING ADHESIVE

The adhesive recommended is composed of the mixture of two components; component-A as a powder and component-B as latex liquid.

Pour the liquid component-B into a container and then the powder component-A. These steps should not be reversed.

The adhesive is stirred with a mixer attached to a drill at a low rpm until the mixture is totally smooth and free of clumps. The mixture is then left for 5 minutes before stirring again.



APPLICATION STAGES

The ready mixture is laid as a thin layer (2-5 mm) on the foundation with the help of the flat side of the trowel. (max. 10 mm) We recommend spreading the appropriate amount of adhesive at one time to ensure that the tiles are laid within the curing time of the adhesive.



The mixture is then spread on the foundation with the notched side of the trowel.



For good adhesion, the adhesive must be spread as a thin layer on the backside of the Çimstone tile.

The adhesiveness of the mixture spread on the foundation should be controlled by hand. If the adhesive smears onto fingers, installation of tiles can be continued; if not the foundation must be thoroughly cleansed off and a new adhesive must be re-spread on the foundation.



The Çimstone tile to be laid is placed on the adhesive covered foundation and it is tapped with a rubber mallet to ensure even laying.



In installations on wide surfaces, the surface must be divided up into flooring areas of 4x4m and 6x6m. Along these areas, expansion joints must be left at a width of 5-10 mm. In order to prevent the excess spread of grout to the upper surface of the tiles, use masking tape along the sides of the tiles. The expansion joints must be then grouted with polyurethane mastic.



Attention!

Çimstone products must be laid with joints. Joints must have a width of 2mm for 30x30cm and 3mm for 60x60cm tiles.

Expansion joints must be left, along the perimeter of the tiled flooring and around the edges of walls, columns and steps.

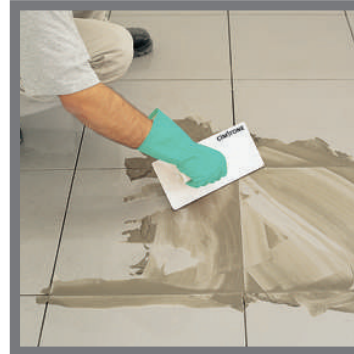
The grouting must be smoothed with a spatula.



The masking tape is carefully removed after the joints are grouted.



Flexible cement based grout must be used in joints on internal floorings.



Attention!

The installation team must consult our Technical Service Department in the case of non-standard applications demanded by the customer. Çimstone will assume no responsibility for any problems due to improper application.

Recommended Installation Standards



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- The foundation and walls to be laid with Çimstone tiles must be smooth. The surface must be cured and free of any moisture.
- The installation surface must be thoroughly stable, solid, free of cracks, smooth and cleansed.
- Absorbent surfaces such as autoclaved aerated concrete, betopan and gypsum must be dusted off with a brush.
- The surface must be level. If very precise surfaces are required, self-levelling screed can be used.
- Partial surface restorations on the foundation up to 1 cm deep can be repaired one day in advance with the adhesive recommended. Deeper partial restorations must be done 2-3 days prior to the installation with restoration mortar.
- The adhesive recommended is used when Çimstone products are to be laid on cement based surfaces. The adhesive is composed of the mixture of two components; component-A as a powder and component-B as latex liquid. (Refer to the instructions on the packaging of the adhesive.)
- During the laying process, the environmental temperature must be between +5°C and +30°C and the application surface must be free of moisture.
- The ideal adhesive thickness must be 2-5 mm. (Maximum 10 mm)
- Çimstone tiles must be laid with joints. Joint widths must be minimum 2 mm for 30x30 cm and minimum 3 mm for 60x60 cm. Joints must be sealed with a flexible cement based grout. Epoxy based grout should be used to ensure hygiene and resistance to chemicals where applicable.
- Expansion joints must be left along the perimeter of the laid foundations and around the edges of walls, columns and steps. These joints must be at least at 5-10 mm and grouted with polyurethane mastic.
- In a wide area of installation, the foundation must be divided into areas of 4x4 m and 6x6 m. Expansion joints of 5-10 mm among these areas must be sealed with polyurethane mastic grouting.
- Joints must be grouted only after all traces of adhesives are totally removed.
- Joints must be grouted minimum 4 hours following the completion of the installation on foundations and walls.
- In both interior and exterior environments, which will be subject to high-pressure and tensions of temperature and moisture, a polyurethane based adhesive is used which is high in elasticity and adhesiveness.
- In the installation of the tiles at a size greater than 60x60 cm, polyurethane based adhesive and a tile thickness of 2 cm must be used on interior flooring.
- Çimstone tiles to be laid on exterior flooring must be 30x30 cm with a 2 cm thickness or 60x60cm with a 3 cm thickness. During their installation, polyurethane based adhesives and polyurethane mastic grouting must be used.
- After laying, the surface must be covered with damp cloths for minimum 24 hours if subject to direct sunlight or temperature exceeding 30°C.
- The laid surface can be opened to pedestrian traffic after 24 hours following the grouting.