



MEGAPOOL Y105

Cement based adhesive mortar with highly elasticity, reduced slippage, high adherence, extended workable time and resistant to temperature changes, water and frost which is improved for pool and wet space applications.

SKU: 054.Y105

PRODUCT DESCRIPTION

Product Advantages

- Resistant to temperature changes, water and frost.
- It is water repellent, suitable for use on surfaces that are in constant contact with water, such as pools.
 - Resistant to pool chemicals like chlorine.
 - Anti-bacterial.
- Bonds well to porcelain ceramic tiles and glass mosaics.
- Poses high elasticity and high adhesive strength thanks to the polymer additive.
- Poses a longer workable time thanks to the elongated retention time thereof.
 - Prepared and applied easily.
- Does not cause slippage in the case of vertical applications.

Usage Areas

- MegaPool Y105 is used for the adhesion on such sound, dust free vertical and horizontal cement based plaster, trowel coating and prime coated concrete surfaces and dry wall systems as well as prime coated ceramic tile coated surfaces with low water absorbance of such coating materials as ceramic tiles in indoors and outdoors spaces. Thanks to its special formula developed especially for wet areas, it can be used in places such as swimming pools, water tanks, car wash stations, which are in constant contact with water, floor heating systems with high temperature changes, on areas subject to heavy pedestrian traffic and on moving building elements.
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Technical Informations

- **Reference Standards**
 - a. **Certifications / Standards**
 - TS EN 12004-1 2017
 - b. **Ministry of Public Works and Settlement Item No.**
 - Ministry of Public Works and Settlement Item No.: 10.300.2204
 - c. **Quality Certificates**
 - TS EN 12004-1 2017/ C2TES1
 - CE
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Application Procedure

- **Application Surfaces**
 - Indoors and Outdoors Walls;
 - Cement based plaster
 - Concrete (MegaFilm A201 or MegaFilm BB A204 primer applied)
 - Old ceramic tile coating (MegaFilm Visko A203 primer applied)
 - Indoors and Outdoors Floors;
 - Cement based trowel coating
 - Concrete (MegaFilm A201 or MegaFilm BB A204 primer applied)
 - Old ceramic tile coating (MegaFilm Visko A203 primer applied)

Surface Preparation :

- The application surface should be dry, clean, sound and dust free, and should have been cleansed of oil, dirt or any materials that may prevent adhesion, and any such materials as mortar and cement residues should be scraped from the application surface.
- The dusty surface on the reverse side of the ceramic tile should be moisturized and cleaned.
- The surface defects, which are deeper than 1 cm, should be repaired with MegaTamir İ T101 or MegaTamir K T102 6-8 hours in advance of the adhesive mortar application. In the cases, where structural repair mortar should be used; MegaTamir İ Yapısal T103 or MegaTamir K Yapısal T104 should be preferred.
- Upon the completion of the surface cleaning, MegaFilm A201 primer should be applied in a single coat with a brush and be left to dry for 1 to 2 hours in order to enhance the bonding strength and stabilize the surface absorption.
- Exposed concrete surfaces should be applied MegaFilm BB A204 exposed concrete primer in single coat and be left to dry for minimum 3 hours prior to the application of the adhesive mortar in order to enhance the adhesion strength.
- In the case of ceramic tile coating application on old/ former ceramic tile coating, the surface should, prior to the application, be prepared by applying MegaFilm Visko A203 and to dry for minimum 3 hours.
- In the case of wet space applications, waterproofing should be ensured with Megaİzo Lastik 10 S103 on the surface, which should have been coated with the recommended primer, prior to ceramic flooring.
- Megaİzo Lastik 10 S103, the mixture of which should have been prepared, should be applied in double coat on the surface. Once the primary coat thoroughly dries, the secondary coat should be applied as perpendicularly to the primary coat. Depending on the nature of the application surface; the secondary coat should be applied after the placement of Megaİzo File S902 on the primary coat.
 - Megaİzo Bant S901 should be applied to such inadequately waterproof spots as edge and corner joint spots in order to ensure the maintenance of insulation.

Application Methods :

- MegaPool Y105 should be applied to the surface with the notched trowel determined with respect to the size of the ceramic tile and the structural condition of the surface.
- Due care must be taken to ensure that MegaPool Y105 does not form a film layer on the surface during the application. In the cases of formation of film layer on the surface, the adhesive should be scraped off the surface and should never be used again.
- The coating material should be placed on the surface and be ensured to settle thereon with a rubber tip hammer.
 - The application thickness of the product should not exceed 10 mm.

- In the application of ceramic and coating materials, leveling should be done by using the Gauge Wedge K908 in order to easily and quickly adjust the height of the first horizontal row from the ground.
- Tile Levelling System (STS) – K904/ K911/ K905/K906 should be used to remove the level difference in large-size ceramic applications.
 - Joint filling should be initiated minimum 24 hours after the adhesion.
- In the case of the applications with ceramic tiles with dimensions in excess of 33x33 cm in indoors and outdoors spaces; double side adhesion should be applied.
- Minimum 3 mm joint gaps should be left between 30x60 cm and larger coating materials (Coating area $\geq 1800 \text{ cm}^2$).
 - In outdoor vertical applications, depending on the type of coating material, it enables ceramics up to 60x60 cm and smaller sizes (Coating area $\leq 3600 \text{ cm}^2$) can be safely adhered up to a height of 3 m.
- Minimum 10 mm expansion joint gap should be left every 8 meters and filled with Megaizo PU Mastik HM S492.
 - Recommended pin rake (notch) sizes are as follows.

Ceramic Tile Size	Notch Size
10x10 cm to 10x15 cm or smaller	6x6x6
10x15 to 25x40 cm 10x15 to 33x33 cm	8x8x8
25x40 to 33x33 cm or larger	10x10x10

Application Recommendations :

- The wall and floor ceramic tiles in light colors are recommended to be adhered with MegaPool Y105 in white color.
- The product should, once mixed, be used before the expiration of its pot life. Any mortar, the pot life of which has expired, should not be used during the application.
 - Any such foreign substance as lime, cement or plaster should not be added to the mortar prepared.
 - Extra water should not be added to the mixture other than the specified water rate.
- The product should not be applied on unsound surfaces. The soundness and the load bearing capacity of old surfaces should be checked prior to adhesion.
- The surface should be preserved from air currents and water contact during and after the

application.

- The product should not be applied to such surfaces, which are exposed to risk of freezing within the next 24 hours, which are frozen or the frost of which is thawing.
- Due care should be taken to ensure that the material is not exposed to direct sunlight in hot weather conditions, and the product should be mixed with cold water.
- The product should not be applied on extremely windy weather conditions or on hot surfaces, which are exposed to direct sunlight; and in the cases, where application is imperative under such conditions, the environment and the surface should be prepared for application in advance.
- The product should not be applied in rainy weather conditions, and the application surface should be preserved from rain for a period of 24 hours.
- Refer to our technical support hotline for recommendation on different surface applications.
(PHONE: +90 444 4 595)

Surface and Ambient Temperature

The surface and ambient temperature should be between +5°C and +35°C whilst at application.

ADDITIONAL INFORMATION

