

MasterTile[®] PAS 101

Dispersion Based High Performance Ready-to-Use Ceramic Adhesive

DESCRIPTION OF PRODUCT

MasterTile[®] PAS 101 is a dispersion based adhesive used in adhesion of tiles and ceramics to indoor vertical surfaces.

Complies with the EN 12004-D1TE class.

D1= Normal dispersion adhesive
T= With reduced sliding
E= Extendent open time

FIELDS OF APPLICATION

- In inner areas for vertical applications
- In the adhesion of ceramics, tiles, and glass mosaics
- In the adhesion of gypsum-plasterboard, wooden surfaces, and gypsum-plaster walls
- In heat insulation sheets
- In adhesion of ceramic on to plaster and old ceramic.

FEATURES AND BENEFITS

- Ready-to-use.
- Long process time.
- Enables flexible adhesion layer.
- No sliding in vertical applications.

APPLICATION PROCEDURE

Preparation of Substrate

Application surface has to be strong, dry, bearing, dustless, clean, and also in balance. Surface must be cleaned off all kinds of oil, grease, rust, and paraffin traces that can weaken adherence and no loose particles must be present.

TECHNICAL DATA

Application

1 mm MasterTile[®] PAS 101 is applied on application surface with the flat side of trowel. In an area that can be covered in 30 minutes, period of open waiting, MasterTile[®] PAS 101 is applied by serrated side of trowel in single direction in uniform thickness. In the adhesion of ceramics or tiles with different thicknesses, to repair the disorder on application surface, it is suggested to apply 1 mm mortar under each ceramic or tile. When applying ceramics or tiles to the place of application, ceramics and tiles are floated on adhesive to enable full contact of adhesion mortar. Suggested joint gap according to applied ceramic or tile dimension is left and the application is finished.

To fill the left joint gaps, Master Builders Solutions joint grouts must be used. Filling of joints can be realized approximately 3-4 days after ceramic or tile application.

Applicability Test of Adhesive (Period of Open Waiting)

Fingers are pressed on the adhesive applied surface. If the adhesive smeared on the fingers, application of ceramics or glass mosaics is continued. If the fingers are clean, it means the application time of adhesive has passed. In this case, the adhesive is scraped off the surface and new adhesive is applied.

Suggested Joint Width

Up to 15x15 cm	2-4 mm
Over 15x15 cm	4-6 mm

Structure of the material	Acrylic binders and special sealants
Color	White
Tensile adhesion strength	≥1,00 N/mm ² (28 days)
Density	≥1,00 N/mm ² (28 gün)
Joint sealant period	Min. 3 days
Application thickness	Max. 3 mm
Application ground temperature	+10°C +25°C
Service Temperature	-10°C +70°C
Period of open waiting	30 minutes
Slide (mm)	None
Wetting ability	Min. %90
Full curing period	28 days

Obtained in +23°C, 50% relative humidity conditions. Higher temperatures reduce, lower temperatures increase the times Given.

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WATCH POINTS

- If environmental temperature is below +10°C or over +25°C in **MasterTile® PAS 101** application, then suitable temperatures must be waited for. Also **MasterTile® PAS 101** application should not be made in very hot, rainy or windy weathers. **MasterTile® PAS 101**'s spread thickness must not exceed 3 mm. **MasterTile® PAS 101** cannot be used for surface repairs and filling.
- When ground temperature is below +10°C, working environment must be heated. **MasterTile® 14**, **MasterTile® FLX 20** or **MasterTile® FLX 20 RC** is suggested to be used in ground applications.
- **MasterTile® PAS 101** must never be used in outer areas, ground tiles, and areas with continuous exposure to water (like swimming pools and water tanks).

COVERAGE

1.70 kg/m² for a thickness of 1 mm adhesive

MasterTile PAS® 101	Covarege* (kg/m ²)
Applying with 4mm ceramic notched trowel	3,40 kg/m ²
Applying with 6mm ceramic notched trowel	5,10 kg/m ²

*maximum application thickness should not exceed 3mm. (6mm notched towel)

CLEANING OF TOOLS

All the tools and equipments must be cleaned by water after the application. After **MasterTile® P 101** is hardened, it can only be removed from the surface mechanically.

PACKAGING

5 kg plastic bucket
15 kg plastic bucket

STORAGE

Must be stored in unopened original packing, and in cool and dry environment protected from freezing. In short-term storing, maximum 3 palettes can be stowed on top of each other and delivery has to be according to first in first out system. In long-term storing, the palettes must not be stowed on top of each other.

SHELF LIFE

12 months after the production date under appropriate storing conditions. **MasterTile® PAS 101** freezes below 0°C. Opened packages have to be stored by tightly sealing the cover and must be used in one week.

HEALTH AND SAFETY PRECAUTIONS

It is dangerous to approach the application sites. During the application, a protective apparel, protective gloves,

goggles and masks which comply with the Occupational Health and Safety Rules should be used. Due to the irritation effect of the uncured materials, the mixture should not come into contact with skin and eyes; in case of a contact, the affected area should be washed with plenty of water and soap; in case of swallowing, a physician should be consulted immediately. No food or beverages should be brought to the application area. The product should be stored and kept out of reach of children. For detailed information please consult the Material Safety Data Sheet.

DISCLAIMER

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. **Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.** is only responsible for the quality of the product **Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.** is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of use. This technical form is valid only till a new version is implemented and nullifies the old ones.

CONTACT INFORMATION

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MasterTile® PAS 101 Technical Data Sheet -Revision
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20 DOP NO: 03.12004.011	
EN 12004:2007+A1:2012 MASTERTILE PAS 101 Dispersiyon Esaslı, Yüksek Performanslı, Kullanıma Hazır Seramik Yapıştırıcısı (Dispersion Based High Performance Ready-to-Use Ceramic Adhesive) Kayma özelliği azaltılmış ve uzatılmış açık bekletme süresi geliştirilmiş iç kullanım için uygun normal dispersiyon yapıştırıcı (Normal dispersion adhesive for internal use with reduced slip and extended open time) D1TE	
Yangına Karşı Tepki (Reaction To Fire)	B
Tehlikeli maddelerin açığa çıkması (Release of dangerous substances)	Bkz. Malzeme Güvenlik Bilgi Formu (see Material Safety Data Sheet)
Başlangıç Kesme Yapışma Mukavemeti (Initial shear adhesion strength)	≥ 1,0 N /mm ²
Isı ile yaşlandırıldıktan sonra kesme yapışma kuvveti (Shear adhesion strength after heat ageing)	≥ 1,0 N /mm ²
Açıkta durma zamanı: Yapışma mukavemeti (30 dakika sonra) (Open Time: Tensile adhesion strength(after not less than 30 minutes)	≥ 0,5 N /mm ²