

MasterJoint® TC 268

Polyurethane Based, Two Components, UV Resistant, Protective Top Coat for Parking Deck

Material Description

MasterJoint® TC 268 is two components, solvent containing, UV resistant, polyurethane based top coating for parking deck.

Areas of Application

It is used as topcoat polyurethane UV coating for MasterJoint® insulation systems.

Characteristics and Benefits

- Two components, easy to apply.
- Elastic.
- Resistant to UV and air conditions.
- Has a higher aliphatic polyurethane prepolymer structure.

Processing Method

(A) Preparation of Substrate

The surface of the coating on which MasterJoint® TC 268 is to be applied should be free of dust, dirt, oil and other adhesion impairing contaminants. The application should be carried out within the recoating interval of the coating. Contact our Technical Services for the application on old coating.

(B) Processing

Primer Application

MasterJoint® TC 268 has two components. Prior to use, the product is mixed with an epoxy/polyurethane paddled drill at 300-400 rpm for 3-4 minutes without causing air bubbles. Make sure that the temperature of the material is between +15°C-+25°C prior to mixing. MasterJoint® TC 268 should be applied to the surface using a squeegee (wiper) or a roller. For applications with rollers, the surface should be well raked to minimize streaks. Thick application may cause foaming.

Consumption

0.60-0.90 kg/m² depend on surface.

Point to Consider

- Avoid applications under excessive heat or wind and/or when the ambient and/or substrate temperature is below +10°C or above +30°C.
- The materials to be used at the appropriate temperatures should be brought in and stored in the application area 1-2 days prior to the application and enabled to adjust the ambient conditions.

Technical Properties		
Structure of the Material	Polyurethane	
Color	RAL Colours	
Density	1,42 kg/t	LX
Viscosity	1000 mPas	
Application Temperature	+10°C +30°C	
Pot Life	20 min.	
Recoatibility Time	Min. 10 hours - max. 2 days	
Full Curing Time	10 days	

The above figures are valid for 23°C and intended as a guide only and should not be used as a basis for specifications.

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- In extremely cold conditions, heaters should be used to increase the ambience and the workability of the product, the packages should be preconditioned to +15°C - +25°C to become ready to use.
- Epoxy and polyurethane based floor coatings should be applied by approved applicators.
- The reaction and workability times of resin-based systems depend on the ambience and substrate temperatures as well as the relative humidity. Under lower temperatures, the chemical reaction times are prolonged, and this increases the pot life, coating interval and the working time. In addition to this, consumption is increased as the viscosity increases. High temperatures ignite stronger chemical reactions, and the above-mentioned times decrease accordingly. For the material to be cured properly, the ambient and the substrate temperatures should not fall below the specified limits. After the application, the material should be protected from direct contact with water for 24 hours minimum. Within this period, contact with water may cause a surface carbonation and/ or tackiness; both of which will cause the coating to lose its characteristics. In such cases, the overall coating should be removed from the floor and renewed.
- Permissible relative humidity is 75% max. during application.
- **MasterJoint® TC 268** is two components set. No solvent etc. should be added during application.
- The empty packages should be consolidated and disposed of properly in order to prevent reusing the packages.

Cleaning of Tools

Used tools and equipment must be cleaned carefully with an appropriate solvent. Once cured **MasterJoint® TC 268** can only be removed by mechanical means.

Packaging

25 kg set

Part A: 18,8 kg metal pail

Part B: 6,2 kg metal pail

Shelf Life

The shelf life is 12 months from the date of production under suitable storage conditions. Opened packages should be stored under suitable storage conditions and used within 1 week.

Storage

Must be stored in between +15 °C and +25 °C, unopened original packing, and in cool and dry environment protected from freezing. Delivery has to be according to first in first out system. In long-term storing, the pallets must not be stowed on top of each other.

Health and Safety

It is dangerous to approach the application sites. During the application, 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 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. **MBT Teknik Yapı Kimyasalları Sanayi ve Ticaret A.Ş.** is only responsible for the quality of the product **MBT Teknik Yapı Kimyasalları Sanayi ve Ticaret A.Ş.** 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.

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Contact

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CE	
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25	
DOP NO: 1103001	
EN 13813 SR-B1.5-C ₁ -s1	
MasterJoint® TC 268	
İç mekan kullanımına uygun sentetik reçine kaplama harcı Synthetic resin screed /coating for indoor use in buildings	
Aşınma Direnci Wear resistance	NPD
Bağ Dayanımı Bond strength	B1.5
Çarpmaya Direnci Impact resistance	NPD
Aşındırıcı maddelerin salınımı Release of corrosive substances	SR
Yangına Karşı Tepki Reaction To Fire	C ₁ -s1
Tehlikeli maddeler (Dangerous substances)	Güvenlik bilgi formu Safety data sheet

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DOP NO: 2102013	
MasterJoint® TC 268	
TS EN 1504-2:2004	
1.3 Yabancı madde girişine karşı koruma, 2.2 Nem Kontrolü, 5.1 Fiziksel Direnci, 8.2 Nem içeriğini sınırlayarak direnci artırma 1.3 Protection against ingress, 2.2 Moisture control, 5.1 Physical resistance, 8.2 Increasing resistivity	
Beton için yüzey koruma sistemleri Surface protection systems for concrete	
Kaplama uygulaması Coating application	
Karbondioksit Geçirgenliği (Permeability to CO ₂)	NPD
Aşınma Direnci (Abrasion Resistance)	< 3000 mg
Çarpmaya Direnci (Impact resistance)	Sınıf II : 10 Nm Class II : 10 Nm
Kapiler Su Emme ve Su Geçirgenliği (Capillary Absorption and Permeability to water)	w<0,1 kg /m ² ·vh
Su Buharı Geçirgenliği (Permeability of water vapour)	Sınıf 3 (Class 3)
Çekip koparma deneyi yoluyla yapışma dayanımı (Adhesion strength by pull-off test)	Çatlak kapatma veya esnek sistemler (trafik yükü ile) ≥ 2.0 N/mm ² Crack bridging or/ flexible systems (with traffic load)
Yangına karşı tepki (Reaction to fire)	B ₁ -s1
Tehlikeli maddeler (Dangerous substances)	Madde 5.4'e uygun (Comply with clause 5.4)

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