

PRODUCT DATA SHEET

MPU® COATINGS M08T-UV (Ultra wear-resistant)

Aliphatic polyurethane floor coating with UV blocking technology, low VOC, low odor, high gloss smooth finish or optional semi-gloss fine aggregate textured finish

PRODUCT DESCRIPTION

MPU® COATINGS M08T-UV is a three-component odor-free, low VOC volatile, tough PUR resin

USES

MPU® COATINGS M08T-UV may only be used by experienced professionals.

- Wear loss 0.006g (750g/500R)
- Tough wear layer, suitable for MPU® COATINGS tough system
- MPU® COATINGS M08T-UV spread tough polyurethane industrial floor, can improve friction
- Apply to smooth tough PU industrial floor M02T midcoat and other material floor to enhance surface wear resistance
- Especially suitable for gas stations, garages and large heavy industrial uses.
- Can be used outdoors

CHARACTERISTICS / ADVANTAGES

- Low VOC evaporation and clean odor
- Flash point greater than 80°C
- Good physical resistance
- Easy to apply
- Economical and practical
- Easy to maintain
- Good toughness and impact resistance
- Anti-slip surface
- Hardness 6h

PRODUCT INFORMATION

Chemical Base	PUR	
Packaging	Part A	4.0 kg containers
	Part B	10.0 kg containers
	Part C	6.0 kg containers
	A + B + C	20.0 kg ready to mix units
Shelf Life	12 months from date of production	
Storage Conditions	Products must be stored in original packaging in a dry environment between +5 ° C and +30 ° C.	
Appearance / Colour	Resin - part A	Colored liquid
	Hardener - part B	Colorless transparent liquid
	aggregate - part C	Solid powder
Available in standard shades: Base material for spot tinting. Off-white, grey, green, blue shades. Bright pastel colors available on request		

Density	Mixed Resin: ~ 1,4 kg/l All Density values at +23 ° C.	
Solid content by mass	Part A: ~55% Part B: 100% Part C: 100%	
Solid content by volume	~ 85 %	
TECHNICAL INFORMATION		
Pencil hardness	6H	
Impact performance	Heavy load: 1000g steel ball (14 days/+23°C)	(GB 22374)
Wear resistance	0.006g (750g/500R) (14 days / +23 °C)	(GB 22374)
Tensile adhesion strength	> 1.5 N/mm ² (failure in concrete) >3.0 N/mm ² (aluminum)	(GB 22374)
Chemical Resistance	Please refer to the chemical resistance of the topcoat used	

SYSTEM INFORMATION

Systems Seamless anti-slip particle colored low VOC toughness polyurea super wear-resistant floor MPU® COATINGS M08T-UV

APPLICATION INFORMATION: Please refer to the product supporting materials: primer EW20T, mid-coat M02T or applied to floors of other materials to enhance surface wear resistance.

Mixing Ratio	Part A : part B : partC = 4:10:6 (by weight)	
Consumption	~ 0.15-0.2 kg/m ²	
Layer Thickness	0.2kg/m ² interlayer thickness about 0.15mm	
Ambient Air Temperature	+10 ° C min. / +30 ° C max.	
Relative Air Humidity	80 % r.h. max.	
Dew Point	Beware of condensation! The substrate and uncured floor must be at least 3 ° C above dew point to reduce the risk of condensation or blooming on the floor finish.	
Substrate Temperature	+10 ° C min. / +30 ° C max.	
Substrate Moisture Content	Moisture content < 4% pbw Test method: professional tester, CM-test method or oven drying method. According to ASTM, no rising water vapor required (polyethylene sheet)	
Pot Life	Temperature	Time
	+10 °C	~ 45 minutes
	+20 °C	~ 30 minutes
	+30 °C	~ 25 minutes

Curing Time	Before overcoating MPU® COATINGS M08T-UV allow:		
	Substrate temperature	Minimum	Maximum
	+10 °C	24 hours	72 hours
	+20 °C	18 hours	48 hours
	+30 °C	16 hours	36 hours
Times are estimates and may be affected by environmental conditions, especially temperature and relative humidity. If the waiting time exceeds, please polish the exposed surface of MPU® COATINGS M08T-UV to achieve mechanical adhesion between the layers of MPU® COATINGS			

Applied Product Ready for Use

Temperature	Foot traffic	Full cure
+10 °C	~ 24 hours	~ 72 hours
+20 °C	~ 18 hours	~ 60 hours
+30 °C	~ 16 hours	~ 48 hours

VALUE BASE

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

FURTHER DOCUMENTS

Substrate quality and preparation

Please refer to Method Statement: Floor System Surface Assessment and Preparation

construction instructions

Please refer to the MPU COATINGS method statement: Flooring Systems

Maintain

Please refer to MPU® COATINGS cleaning mechanism

LIMITATIONS

- Maximum relative humidity during application and curing of 80%
- Do not apply MPU® COATINGS M08T-UV on substrates subject to rising moisture.
- Freshly applied MPU® COATINGS M08T-UV must be protected from moisture, condensation and moisture for at least 24 hours. Uncured material will bubble when in contact with water
- During use, be careful not to let sweat fall into MPU® COATINGS M08T-UV, which can be worn on the head and wrist straps
- If heating is required, please use an electric heater system. Do not use gas, gasoline, paraffin or other fossil fuel heaters. These heaters will produce large amounts of CO₂ and H₂O water vapor, which may adversely affect the surface treatment.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

DIRECTIVE 2004/42/CE - LIMITATION OF EMISSIONS OF VOC

According to the EU-Directive 2004/42, the maximum allowed content of VOC (Product category IIA / j type sb) is 500 g/l (Limits 2010) for the ready to use product.

The maximum content of MPU® COATINGS M08T-UV is < 500 g/l VOC for the ready to use product.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The surface must be clean, dry and free of any contaminants such as dirt, oil, grease, coatings and surface treatments. Before applying the product, completely remove all dust, loose and brittle materials from the surface, using a vacuum cleaner. The pull-out strength shall not be less than 1.5 N/mm². If in doubt, do a zone test first.

MIXING

Prior to mixing, stir part A mechanically. When all of part B has been added to part A, mix continuously for 2 minutes until a uniform mix has been achieved. To ensure thorough mixing pour materials into another container and mix again to achieve a consistent mix. Over mixing must be avoided to minimise air entrainment.

APPLICATION

Prior to application, confirm substrate moisture content, relative humidity and dew point.

Pour out MPU® COATINGS M08T-UV and apply evenly using a serrated spatula, roller, or mechanical spray. Use a claw roller to roll in both directions to ensure uniform thickness and remove trapped air.

CLEANING OF TOOLS

Clean all tools and application equipment with Thinner C immediately after use. Hardened and/or cured material can only be removed mechanically.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

LEGAL NOTES

The technical information mentioned above, especially the suggestions on the construction and use of MPU COATINGS products, are completely based on MPU COATINGS's current knowledge and experience with this product. All MPU COATINGS products must be properly stored and handled under normal conditions. and use. In practice, materials, base materials and actual site conditions are quite different. The above technical information and other written or provided suggestions cannot provide any construction warranty or product suitability in any individual case, or any Legal liability. Users of MPU COATINGS products must abide by the patent rights of MPU COATINGS products.

Jiangmen MPU COATINGS Environmental Materials Co. , Ltd.
The industrial zone of Lingang, Gujing Town, Xinhui District, Jiangmen City.
Whatsapp: +8613929400440
Email: info@mpucoatings.com
Website: <https://mpucoatings.com/>



PRODUCT DATA SHEET
MPU® COATINGS M08T-UV

