

System M3

KLB INDUSTRIAL PMMA RX Flame Resistant

Flame retardant, rapid-setting, slightly slip-resistant PMMA decorative coating

The **coating system M3** has been developed to comply with requirements on decorative and rapid-setting coverings with increased slip-resistance, especially for outdoor areas, such as open-weathered pergolas. Depending on the project's requirements, a non-slip surface can be achieved in classes R11 to R12.

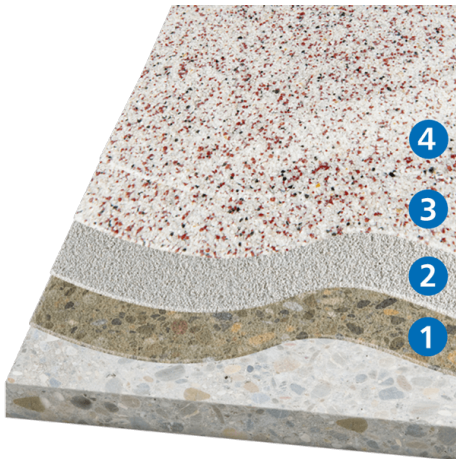
The coating system M3 is flame retardant and tested based on the requirements of the fire class C_{fl}-s1, which guarantees maximum safety.

The formulation with high-quality PMMA binding agents enables a very fast hardening of the individual system layers – with minimum installation time and still a superior quality.

System M3 is particularly suitable for indoor and outdoor areas with high requirements in terms of fire behaviour, which must be renovated or reworked with a new coating in the shortest possible time.

When using our **coloured quartz sand mixtures CQS-46xx**, numerous individual colour options are available to meet any visual demand.

Alternative systems: [System M1](#) as slip-resistant PMMA decorative coating without any requirements on fire behaviour, [System M4](#) as flame retardant, slip-resistant and plain-coloured PMMA scattered coating.



4. Top sealer **KLB-SYSTEM ACRYL AC 826**
3. Base layer with **KLB-SYSTEM ACRYL AC 313 (pigmented)** and mixed sand **KLB-Mischsand 210**, scattered with **coloured quartz sand CQS-46xx**
2. Scratch coat with **KLB-SYSTEM ACRYL AC 313** and mixed sand **KLB-Mischsand 210**
1. Primer **KLB-SYSTEM ACRYL AC 20**, openly scattered with quartz sand **KLB-Quarzsand 0.7/1.2 mm**

System build-up

Layer	See product information for more details
Total layer thickness	approx. 4 - 5 mm
Top sealer (4)	KLB-SYSTEM ACRYL AC 826
Base layer (3)	KLB-SYSTEM ACRYL AC 313 (pigmented) with mixed sand KLB-Mischsand 210, openly scattered with coloured quartz sand KLB-Colorquarzsand CQS-46xx
Scratch coat (2)	KLB-SYSTEM AC 313 with mixed sand KLB-Mischsand 210
Primer (1)	KLB-SYSTEM ACRYL AC 20, openly scattered with quartz sand KLB-Quarzsand 0.7/1.2 mm
Substrate	Requirements to the substrate according to BEB worksheets and our primer list or by consultancy from our technical sales service/application technology. Pay attention to possible cross reactions with PMMA occurring in case of screeds treated with synthetic dispersions. We recommend carrying out a trial area in advance.

Area of application

External surfaces:

- Arcades

Special solutions:

- Rapid-setting coatings

Industry:

- Manufacturing and production
- Storage and logistics

Foodstuffs:

- Commercial kitchens
- Cold storage and deep-freezing rooms
- Wineries, Wine production

Agriculture:

- Milking parlours and milk rooms
- Animal husbandry and feeding tables

Technical data

Shore-hardness D (AC 826)	75	-	DIN 53505 (after 7 days)
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The values established in tests are average values. Deviations from the product specification may occur.

Tests and certifications

The following external test certificates are available for the system:

- Fire behaviour classification according to DIN EN 13501-01:2010-01: C_{fl}-s1
- Declaration of performance in accordance with Annex III to Regulation (EU) No. 305/2011 (Construction Products Regulation)
- Declaration of product conformity with Environmental Product Declarations (EPD)



Please consider the latest version of this system information on our website.

All stated information is based on our experience and technical preparation. We guarantee the correct and proper quality of our products. We do not assume any responsibility for the work not carried out by us, since we have no influence on the processing or processing conditions. We recommend on-site trials to be conducted. With appearance of this new KLB system information, all prior information loses validity. The updated version is available on our website www.klb-koetzal.com. In addition, our "General Terms and Conditions" apply.