

# System M1

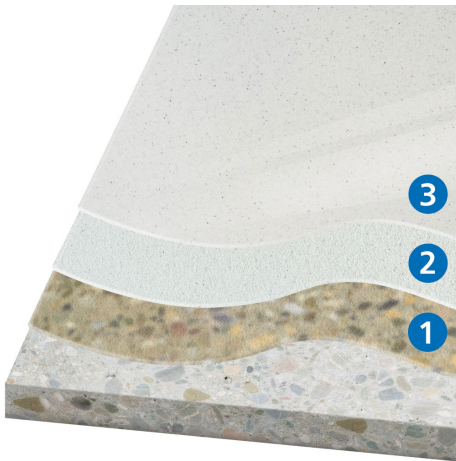
## KLB INDUSTRIAL PMMA RX

Rapid-setting, slip-resistant PMMA coating for wet areas

The coating system M1 complies with many requirements on commercial or industrial floors, especially for wet areas that require rapid curing times. The formulation with PMMA binding agents enables a very fast hardening of the individual system layers - which reduces the installation time to a minimum, compared to conventional epoxy or polyurethane resin coatings.

This makes the system particularly suitable for areas where short downtimes and rapid installation or renovation are required.

**Alternative systems:** [System H3](#) as kitchen floor with sealing layer, [System M2](#) as decorative version for dry areas.



3. Top sealer **KLB-SYSTEM ACRYL AC 826**
2. Base layer with **KLB-SYSTEM ACRYL AC 313** and mixed sand **KLB-Mischsand 2/1**, fully scattered with coloured quartz sand **KLB-Colorquarzsand 0.7/1.2 mm**
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   |
|------------------------------|--|
| <b>Total layer thickness</b> | approx. 2 - 5 mm   |
| <b>Top sealer (3)</b>        | <b>KLB-SYSTEM ACRYL AC 826</b>   |
| <b>Base layer (2)</b>        | <b>KLB-SYSTEM ACRYL AC 313</b> with mixed sand <b>KLB-Mischsand 2/1</b> and coloured quartz sand <b>KLB-Colorquarzsand 0.7/1.2 mm</b>  |
| <b>Primer (1)</b>            | <b>KLB-SYSTEM ACRYL AC 20</b> , openly scattered with quartz sand <b>KLB-Quarzsand 0.7/1.2 mm</b>  |
| <b>Substrate</b>             | 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**

**Industry:**

- Manufacturing and production
- Storage and logistics
- Rapid-setting coatings

**Foodstuffs:**

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

**Agriculture:**

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

**Special solutions:**

- Rapid-setting coatings

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**System features**

- resistant to hot water up to 65 °C / 149 °F
- resistant to chemicals
- resistant to mechanical load
- rigid
- glossy
- slightly slip-resistant R9/R10
- slip-resistant in R11
- slip-resistant in R12/R13
- rapid-setting
- structured

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**Technical data**

|                           |        |   |                          |
|---------------------------|--------|---|--------------------------|
| Shore-hardness D (AC 313) | Ca. 78 | - | DIN 53505 (after 7 days) |
|---------------------------|--------|---|--------------------------|

The values established in tests are average values. Deviations from the product specification may occur.

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#### Tests and certifications

The following external test certificates are available for the system:

- Slip-resistance according to DIN 51130 and BGR 181: grades R10 V8, R11 V6, R11 V8, R12 V6, R13 V6 or R13 V8.
- Top sealer **AC 826** is suitable for use in foodstuffs according to § 31 para. 1, German Food and Feed Code (German law LFGB).
- 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](http://www.klb-koetzal.com). In addition, our "General Terms and Conditions" apply.