

KEMPEROL® 1K-PUR

The single-pack waterproofing
in a can



 **KEMPER**
SYSTEM

Balconies, terraces and flat roofs are among the most sensitive parts of a structure, all too often presenting problems of water ingress – sometimes within only a few years of completion. To solve this problem effectively it is important to select the right waterproofing system.

Liquid applied systems such as KEMPEROL® 1K-PUR offer significant advantages over traditional repair methods. KEMPEROL® 1K-PUR is ideal for waterproofing awkward details such as corners and protrusions and is suitable for use on a wide range of substrates. The lightweight nature of the KEMPEROL® 1K-PUR system adds minimal load, making it particularly useful where roof stability is a concern.



Single pack KEMPEROL® 1K-PUR provides a long term, cost effective solution, yet is easy to use, straight from the can.

Ready to use, straight from the can



Application

- The substrate must be prepared in accordance with KEMPER SYSTEM priming guidelines
- Pour KEMPEROL® 1K-PUR directly from the can onto the prepared and primed substrate
- Lay KEMPEROL® fleece 120 onto the wet sealant and embed with a brush or perlon roller
- Pour KEMPEROL® 1K-PUR onto the fleece to ensure complete saturation
- KEMPEROL® 1K-PUR is rainproof after approximately 60 minutes

■ If the waterproofing membrane is exposed to mechanical stress or walked on, a wearing course offers suitable protection.

For application on balconies or terraces, the KEMPERDUR® product line offer a wide range of decorative, anti-slip surfacings in different colours.

If the waterproofing membrane is coated with KEMPERDUR® Deko, Deko 2K or Quartz Coating, the fleece incorporated in KEMPEROL® 1K-PUR should be used butt-joint and in combination with KEMPEROL® RS Reinforcement Strip.



KEMPER SYSTEM Service

- Service by experienced construction engineers and technicians
- Damage evaluation and repair proposals
- Compilation of service schedules
- Technical consulting and site supervision up to project completion
- Technical training on site or at the KEMPER SYSTEM Training Centre
- Product knowledge regularly refreshed through KEMPEROL® courses and training
- KEMPER SYSTEM-trained specialist contractors
- Detailed technical information is available on request and on the Internet

KEMPEROL® 1K-PUR – Advantages at a glance:

- Durable thus economic:
life expectancy of 25 years
according to ETAG 005
- tear resistant
- bridges cracks up to 2 mm
- cold liquid applied (no torches or boiler required)
- homogeneous, seamless membrane
- lightweight nature adds minimal load to roof
- excellent adhesion to a wide range of substrates
- water vapour permeable, allowing entrapped moisture to evaporate, hence existing membranes need not be removed
- rain resistant in 60 minutes
- protect all structural details without additional flashings or other mechanical fixings
- excellent flow characteristics enable the system to seal even irregular substrates
- resistant to structural movement and normal foot traffic
- permanently resilient over a temperature range of – 30 °C to + 90 °C
- UV resistant without any additional protection
- temperature and weather resistant
- resistant to a wide range of chemicals (details on request)
- Classification acc. to EN 13501-1: Reaction to fire and EN 13501-5: External fire performance
- Resistant to mechanical stress by adding a wearing course such from the KEMPERDUR® product line



YOUR KEMPER SYSTEM PARTNER:

KEMPEROL® products may be applied only by specially trained applicators. Our partners visit our Training Centre regularly, for updates on products and application techniques, the objective being to ensure that each and every application of KEMPEROL® achieves long term durability and customer satisfaction.

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