

Processing the reaction resin mortar PROXAN®- RM 3 and primer PROXAN®- HRM 3

Products used



Repair mortar
[PROXAN®- RM 3](#)



Bonding agent-
[PROXAN®- HRM 3](#)

Additional products used by the dga Group



[Container holder for cans](#)



[Paddle mixer](#)



Cleaner
[PROXAN®- PR-S](#)



Cleaner
[PROXAN®- PR-4](#)



The repair mortar PROXAN®- RM 3 is used in conjunction with the bonding agent PROXAN®- HRM 3 for concrete repair



The substrate must be dry, stable, fine-grained and free of slurry, dust, loose elements, grease and oil. This is achieved by milling, ball peening, grinding or the use of a wire brush. Loose elements are then removed by blasting with air. Following pre-treatment, the adhesive strength of the concrete substrate should be at least 1.5 N/mm².

To better coordinate the repair system with the old concrete and to reduce tension between the repair system and the older concrete, the damaged areas must be removed to provide an angle of approx. 45 degrees to connect to the old concrete surface.



The bonding agent PROXAN®- HRM 3 is a two-component epoxy resin-based primer with active anti-corrosion pigment (cement clinker).

The product serves as a bonding bridge between the concrete and repair mortar PROXAN®- RM 3. The base (A) and hardener (B) components are packaged in precisely dosed mixing ratios.



Empty component B completely into into component A.



Clamp the packaging of the B component into the packaging holder for cans of the dga Group. A clasp ensures that the packaging is held optimally in the holder. Standing on the two holding plates fastened onto the packaging holder on the ground prevents the packaging holder from sliding.



For mixing, we recommend using an electric hand mixer, e.g. a low-speed drill (approx. 300 - 400 rpm), as well as the paddle mixer from the dga Group. The special design of the stirrer enables bubble-free homogenisation of the bonding agent and is distinguished by a long service life.



Then apply the bonding agent PROXAN®- HRM 3 generously to the damaged area with a brush. Processing may only take place if the temperature of the substrate is at least 3 K above the prevailing dew point temperature (see abZ for further information).



Allow the bonding agent to soak in for a few minutes.



In the meantime, the two-component reaction resin mortar PROXAN®- RM 3 is prepared.



Base (A) and curing components (B) are packaged in a precisely metered mixing ratio. Empty component B completely into component A.



An electric hand mixer, e.g. a slow-running drill (approx. 300 - 400 rpm), and a mortar stirrer are recommended for mixing.



Tip the mortar into an empty plastic container (repotting) and stir the mortar for a further 2 - 3 minutes.



Apply the mortar to the not yet hardened bonding agent using a trowel. For thicker layers, compact the mortar in layers and build up fresh in fresh.



Finally, smooth the mortar with the trowel to achieve a homogeneous appearance.



Finally, sprinkle the fresh repair mortar with 0.1 - 0.3 mm sand. Clean tools immediately with the cleaners PROXAN®- PR 4 or PROXAN®- PR-S.