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CreNovate
Concrete Repair Mortars.
Product selection guide.













CreNovate Concrete Repair Mortars at a glance.

From fine mortars and cementitious grouts to bonding agents and statically relevant concrete repair mortars.

Product range

Type / Function	Fine mortar		Bonding agent and corrosion protection		Grout
					
	FCRM-FM	FCRM-FM SR	FCRM-BA SR	FCRM-BA CP	FCRM-G R4 AR
Item-No.	574214	574215	574212	574213	574223
Compliance / Certificate	EN 1504-3 R2	EN 1504-3 R3	EN 1504-7	EN 1504-7	EN 1504-3 R4 EN 1504-6
Essential characteristics	<ul style="list-style-type: none"> · Paintable after 4 h with processing time of 45 min · Waterproof 	<ul style="list-style-type: none"> · Suitable for filling concrete breakouts of up to 30 mm · High sulphate resistance 	<ul style="list-style-type: none"> · High sulphate resistance · High tensile adhesive strength 	<ul style="list-style-type: none"> · Easy to apply · Corrosion protection · Resealable bucket · Chloride barrier 	<ul style="list-style-type: none"> · Self-levelling, chloride-free and water-tight · High compression strength of 90 N/mm²
Aggregate size	≤ 0.5 mm	≤ 0.5 mm	≤ 1 mm	≤ 0.3 mm	≤ 1 mm
Single layer thickness	1–10 mm	1–10 mm	1 mm (thin layer)	1 mm (thin layer)	5–100 mm
Adhesive bond strength (after 28 days) EN 1542	≥ 0.8 N/mm ²	≥ 1.5 N/mm ²	≥ 2 N/mm ²	n/a	≥ 2 N/mm ²
Compressive strength (after 28 days) EN 12190	≥ 25 N/mm ²	≥ 30 N/mm ²	n/a	n/a	≥ 90 N/mm ²
Elasticity module in compression EN 13412	n/a	≥ 15 000 N/mm ²	n/a	n/a	≥ 20 000 N/mm ²
Repair principles EN 1504	<ul style="list-style-type: none"> · 3.1 · 3.2 · 3.3 · 7.1 · 7.2 	<ul style="list-style-type: none"> · 3.1 · 3.2 · 3.3 · 4.4 · 7.1 · 7.2 		<ul style="list-style-type: none"> · 11.1 · 11.2 	<ul style="list-style-type: none"> · 3.1 · 3.2 · 4.2 · 4.4 · 7.1 · 7.2
Exposure classes EN 206 (from outside exposure)	<ul style="list-style-type: none"> · XF4 	<ul style="list-style-type: none"> · XC4 · XD1 · XS1 · XF3 · XA1 · XM1 	n/a	n/a	<ul style="list-style-type: none"> · XC4 · XD3 · XS3 · XF4 · XA2
Application technique					

Concrete repair mortar for static relevant and statically non-relevant application

				
FCRM-RM R2	FCRM-RM R3 SR	FCRM-RM R4	FCRM-RM R4 SR	FCRM-RM R4 FS
574216	574217	574219	574220	574218
EN 1504-3 R2	EN 1504-3 R3	EN 1504-3 R4	EN 1504-3 R4	EN 1504-3 R4
<ul style="list-style-type: none"> · Light-weight · Fast setting, walkable after 4h 	<ul style="list-style-type: none"> · High sulphate resistant · Well suited for overhead application 	<ul style="list-style-type: none"> · 2:1 Repair mortar and bonding agent · Well suited for overhead application 	<ul style="list-style-type: none"> · High sulphate resistant · High E-modulus of 25 000 N/mm² 	<ul style="list-style-type: none"> · Fast setting, walkable after 1 h – 2 h · Application temperature already at 1 °C
≤ 1 mm	≤ 2 mm	≤ 3 mm	≤ 2 mm	≤ 2 mm
3–30 mm	5–20 mm	5–50 mm	5–25 mm	5–50 mm
≥ 0.8 N/mm ²	≥ 1.5 N/mm ²	≥ 2 N/mm ²	≥ 2 N/mm ²	≥ 2 N/mm ²
≥ 25 N/mm ²	≥ 30 N/mm ²	≥ 50 N/mm ²	≥ 50 N/mm ²	≥ 60 N/mm ²
n/a	≥ 15 000 N/mm ²	≥ 20 000 N/mm ²	≥ 25 000 N/mm ²	≥ 20 000 N/mm ²
<ul style="list-style-type: none"> · 3.1 · 3.2 · 7.1 · 7.2 	<ul style="list-style-type: none"> · 3.1 · 3.2 · 3.3 · 4.4 · 7.1 · 7.2 	<ul style="list-style-type: none"> · 3.1 · 3.2 · 3.3 · 4.4 · 7.1 · 7.2 	<ul style="list-style-type: none"> · 3.1 · 3.2 · 3.3 · 4.4 · 7.1 · 7.2 	<ul style="list-style-type: none"> · 3.1 · 3.2 · 4.4 · 7.1 · 7.2
<ul style="list-style-type: none"> · XF4 	<ul style="list-style-type: none"> · XC4 · XD3 · XS3 · XF4 · XA3 · XM2 	<ul style="list-style-type: none"> · XC4 · XD3 · XS3 · XF4 · XA2 · XM1 	<ul style="list-style-type: none"> · XC4 · XD3 · XS3 · XF4 · XA3 · XM2 	<ul style="list-style-type: none"> · XC4 · XD3 · XS3 · XF4 · XA2
				

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