



WESTWOOD TECHNICAL GUIDELINES

REPAIR MORTAR GUIDE

GENERAL

WestWood offers pre-packaged, MMA-based mortars designed for leveling, patching, and repairs, either used alone or combined with kiln-dried quartz silica filler. These resin-mortars cure rapidly (typically within 45 minutes), eliminating the downtime associated with cement-based products that require extended curing. WestWood resin-mortars allow immediate continuation of membrane applications and are suitable for trowel-applied vertical and horizontal repairs, including:

- Repairing damaged or deteriorated concrete
- Vertical or horizontal repairs to decks and walls
- Substrate smoothing and leveling

KEY FEATURES

- Available on-site for quick deployment
- High bond strength and superior adhesion
- Rapid setting for enhanced project progression

REPAIR MORTAR PRODUCTS

- Wecryl 810 Paste
- Wecryl 337 Mortar
- Wecryl 842 Mortar (asphalt repair)
- Wecryl 885 Mortar (concrete repair)

SURFACE PREPARATION

Substrates must be evaluated and prepared to ensure successful adhesion. Surfaces must have a maximum moisture content of six percent (6%) or 75% relative humidity and must achieve a minimum bond strength of 116 psi (0.8 N/mm²) and 219 psi (1.5 N/mm²) on vehicular traffic surfaces. Contractors are responsible for periodically verifying both moisture content and bond strength throughout the project. All substrates must be clean, sound, and free from contaminants such as dirt, grease, oil, ice, snow, release agents, or any other material that could interfere with primer or resin adhesion. In many cases, scarifying, sandblasting, or grinding is required to create a suitably prepared surface. If exposed reinforcing steel (rebar) is present, all loose rust and scaling must be removed, preferably by sandblasting to white metal, and the rebar must then be treated with an approved anti-corrosion coating.

MIXING AND CATALYZING

All WestWood resin-mortars must be thoroughly mixed using a low-speed drill equipped with a paddle-type mixer. When quartz silica filler is required, it must be added to the resin prior to catalyzation and mixed thoroughly for three to five minutes to ensure uniform consistency. It is critical that the mixed resin-mortar be transported to the repair area before the catalyst is added. Catalyzation should only occur once the material is ready for immediate placement. Always refer to the individual product technical data sheets for detailed guidance on proper mixing ratios, catalyst dosing, and batch preparation procedures specific to each resin-mortar product.

APPLICATION

WestWood resin-mortars should be applied in lifts no greater than the maximum thickness specified for the product being used. The mortar must be troweled firmly into place and allowed to harden completely. For leveling and smoothing applications, the resin-mortar should be spread using a squeegee and finished with a trowel to achieve a flat, even surface. For patching and repairs, cavities must be completely filled, and the mortar troweled flush to match adjacent areas.

CLEAN UP

Clean all tools and equipment with WestWood Cleaner or an appropriate solvent cleaner immediately after use.

ALTERNATIVE PATCHING MATERIALS

Rapid-hydrating or polymer-modified cements may be used when necessary. WestWood recommends performing adhesion tests before using third-party patching materials.

Minimum Cure Times:

- Standard concrete: 28 days
- Polymer-modified cement: 7 days
- Epoxy-based material: 1 day

Substrates must meet WestWood moisture content and bond strength guidelines before membrane application. Improper curing may cause blistering or delamination. Surfaces must be mechanically prepared (ground, sandblasted, etc.) to remove laitance before membrane installation.

WestWood strongly recommends using WestWood resin-mortars wherever possible to minimize risks associated with cement-based repairs.

Product	Max. Lift Depth	Quartz Filler Size	Mixing Ratio ¹	Approx. Coverage (per 1/32" depth)	Vertical Repairs	Horizontal Leveling	Cants and Transitions
Wecryl 810 Paste	1/8" (3 mm)	None	-	0.19 kg/sf (2.0 kg/m ²)	no	yes	no
Wecryl 810 Paste (filled)	3/8" (10 mm)	0.7-1.2 mm	1:1	0.19 kg/sf (2.0 kg/m ²)	yes	yes	yes
Wecryl 337 Mortar	3/8" (10 mm)	None	-	0.12 kg/sf (1.6 kg/m ²)	no	yes	no
Wecryl 337 Mortar (filled)	3/4" (20 mm)	0.7-1.2 mm	1:0.75	0.19 kg/sf (2.0 kg/m ²)	no	yes	yes
Wecryl 842 Mortar (asphalt)	±2" (50 mm)	None	-	0.19 kg/sf (2.0 kg/m ²)	yes	yes	yes
Wecryl 885 Mortar (concrete)	1.5" (40 mm)	None	-	0.19 kg/sf (2.0 kg/m ²)	no	yes	no

¹ Mixing ratios are by weight (resin to filler). Use only dry, angular, washed, kiln-dried, dust-free quartz silica suitable for troweling, broadcast, or self-leveling applications.

Product	Approx. Weight - kg/ft ³	Mixing Ratio by Batch			Approx. Square Foot Coverage per Batch at Depths Indicated (Note: includes resin and filler where indicated as "filled".)					
		Resin	Filler	Total	1/16" (1.6 mm)	1/8" ±3 mm	1/4" ±6 mm	1/2" ±12 mm	1" ±25 mm	12" ±306 mm
Wecryl 810 Paste	37.9	10 kg	-	10 kg	50.8	25.4	12.7	6.4	3.2	0.26
Wecryl 810 Paste (filled)	51.3	10 kg	10 kg	20 kg	101.7	50.8	25.4	12.7	6.4	0.53
Wecryl 337 Mortar	48.1	15 kg	-	15 kg	139.8	69.9	35.0	17.5	8.7	0.73
Wecryl 337 Mortar (filled)	66.8	15 kg	11 kg	26 kg	195.8	97.9	48.9	24.5	12.2	1.02
Wecryl 842 Mortar	28.3	33.3 kg	-	33.3 kg	75.3	37.6	18.8	9.4	4.7	0.39
Wecryl 885 Mortar	29.2	26.0 kg	-	26.0 kg	73.6	36.8	18.4	9.2	4.6	0.38



ROOFING SOLUTIONS



WATERPROOFING



FLASHING SOLUTIONS



TRAFFICABLE SURFACES