

# W690 Micro CMT

## Concrete Repair Mix

Low-permeability, ready-mix mortar, formulated with specialty cements, polymers, additives and graded sands. Designed for vertical and horizontal concrete revitalization work prior to topcoat application. It can also be prepared as a general repair mortar mix with the required consistency to level horizontal applications. Formulated for high adhesion and high compressive strength (>5000 psi @ 28 days) to comply with ASTM C-270 Type M standard.

### USES

- As a cement grout or slurry to revitalize rough or irregular, deteriorated, sandy or delaminated concrete (ceilings, floors and walls, fountains, pools and walls).
- As general repair mortar mix to correct areas of ponding water and shape the perimeter of roofs to be waterproofed.
- To provide an initial waterproofing coat, guaranteeing the adequate performance of roof sealers and waterproofing membranes.
- To increase adhesion of coatings to deteriorated substrates.

### LIMITATIONS

- Avoid installing during sunlight high temperatures (maximum recommended installation temperature is 75°F). During hot days, use chilled mixing water and follow ACI 305 guidelines on hot weather concrete.
- Protect from strong winds and precipitation.
- Do not install at temperatures under 20°F, during the first three hours from application. Follow ACI 306 procedures for cool weather concrete.

### INDUSTRY STANDARDS

Exceeds requirements per  
ASTM C-270, ASTM C-109 and ASTM C-387  
LEED\* Program: MR Credit 5, Regional Materials (up to 2 points)



\*The use of this product can help provide valuable points for LEED (Leadership in Energy and Environmental Design) certification of projects in the categories listed above. Points are awarded based on input from all materials used in the project.

### TECHNICAL DATA

Test Method*	Results
Compressive Strength (ASTM C-109)	>3,300 psi (31.03 MPa) @ 7 day >5,000 psi (41.37 MPa) @ 28 days
Initial Set Hours (ASTM C-266)	2 hours
Final Set Hours (ASTM C-266)	4 hours

Product Properties*	
Shelf life	1 year, unopened
Working Time**	45 minutes (approximately)
VOC's	0 g/L

\*Product performance properties at 73°F (23°C) and 50% relative humidity.

\*\*Working time will vary based on jobsite conditions. Ambient air temperature and substrate temperature should be above 45°F (7°C) and below 90°F (32°C).

### Construction Specifications Institute (CSI) Classification

Division	Concrete
03 54 00	Cast Underlayment

### PACKAGING

Product Code	UOM Color
WE0781008	40 lbs. Gray

### COVERAGE

Application	Application Thickness	Coverage
Mix Yield	-	0.36 ft <sup>3</sup> per bag
As Supplied (horizontal applications)	1/16"	Up to 0.35 cu. ft.

\*Coverage depends on slump and substrate conditions.

### SURFACE PREPARATION

Surface must be clean, well bonded and free of dust, grease, wax, mold oil, paint, sealers, efflorescence and any other contaminant that will compromise adhesion. Clean the area with pressurized water. Carry out an absorption test by wetting with water in various areas of the substrate. If water penetrates, a good bond can be achieved; if there are water droplets, loss of adhesion with surface contaminants may occur. They must be mechanically removed before installation. Concrete substrate that is completely smooth must be prepared mechanically (by sanding, grinding, scarifying, etc.) until obtaining a finish according to the CSP "Concrete Surface Profile" (Ref: ICRI 310.2R-2013) from 1 to 4. Moisten the surface (SSD) before placing **WECO® W-690 Micro CMT™** mortar, ensuring not to leave any standing water. Ambient temperature, surface and mix must be below 90°F when installing. It is highly recommended to install materials during the coolest times of the day, either in the morning or in the afternoon. The use of cold water in the mix reduces heat of the mix. Surfaces with asphalt residues or urethane foam or when the concrete is very porous, should be prepared with a coat of **WECO® W800+ DUROKRYL™** acrylic fortifier, on the wetted surface (SSD).

### MIXING

1. In a clean mixing container, add **WECO® W800+ DUROKRYL™** acrylic fortifier and water according to the proportion indicated for the application to be made (see Mixing Rates Table). Note: Pre-stir W800+ DUROKRYL™ fortifier so that it is completely dispersed.
2. Add **WECO® W690 Micro CMT™** slowly in the required ratio of liquid (latex and water) and mix slowly. Note: DO NOT ADD MORE LIQUID THAN INDICATED.
3. Mix slowly for 2 to 3 minutes until a homogeneous, firm and manageable plastic consistency is obtained.
4. Prepare only the amount you can use based on your application rate.

### MIXING RATES (W800+Durokryl / Water / W690 Micro CMT)

Material	"Grout" or "Slurry"	General Repair	Mix Ratio
W800+	0.60 - 0.75 Gl	0.40 - 0.60 Gl	1:1
Water	0.60 - 0.75 Gl	0.40 - 0.60 Gl	
W690	40 lbs	40 lbs	
Yield (per Bag @ 1/8")	0.40 cubic feet	0.40 cubic feet	

### APPLICATION (as Grout or Slurry)

1. Moisten the concrete surface with water (SSD), without generating water stagnation.
2. Apply WECO® W800+ DUROKRYL™ fortifier as a primer on the surface to be treated.
3. While surface is still wet and tacky, apply **WECO® W690 Micro CMT™** mix with a brush or squeegee at 1/32" to 1/8" coat thickness, evenly over the surface until all imperfections are covered.

### APPLICATION (as General Repair Mix)

1. Apply WECO® W800+ DUROKRYL™ fortifier as a primer on the surface to be treated.
2. In a wet and tacky state, apply the WECO® W690 Micro CMT™ mix evenly over the surface using traditional masonry methods.

### CAUTION

Job failures can occur when applying products during hot weather temperatures (maximum recommended installation temperature is 75°F). Follow ACI 305 guidelines on hot weather concrete, moisture cure concrete and protect from wind during the first 24 hour of application.

### CURING & PROTECTION

Proper curing increases the strength and durability of the mortar. Spray the surface with water, or protect it with a plastic blanket for the first 24-48 hours, to avoid cracking by excessive drying of the surface. Protect area from traffic for a minimum of 24-48 hours, depending on temperature and humidity.

### SAFETY

Please refer to the Safety Data Sheet (SDS) for safety data. KEEP OUT OF THE REACH OF CHILDREN.

### LEGAL DISCLAIMER

Before applying this product, customer must read the product information in this Technical Data Sheet to determine its suitability for the intended application. Mixing, application and curing methods, as well as surface and weather conditions, and test methods may affect results and generate statistical variations. This product warranty is limited to its replacement or its refund value should it not comply with the specifications of the manufacturer and does not include any application costs. Customer must present original proof of purchase and submit claim in writing within 15 days from the alleged situation. The information in this Technical Data Sheet supersedes any other product information available from packaging and any other company or marketing documentation. Visit our website at [www.wecopr.com](http://www.wecopr.com) for the most up-to-date official TDS.