

GML-30 and GML-60 Cementitious Concrete

Description

GML-30 and GML-60 is a one component, polymer modified, cementitious blend concrete designed as a product for infrastructure rehabilitation.

FEATURES

- Fast setting, low slump repair mortar that can be trowelled, shaped and shaved after taking an initial set
- Easy shaping and molding
- One component incorporating water activated polymer system
- Integrated corrosion inhibitor
- Can be applied overhead and vertically without using expensive forming procedures
- Apply from 1/8" to 3"
- Tenacious bond to substrates
- Above or below ground
- Calcium aluminate blend
- Normal set time of 30 and 60 minutes
- Available in light gray
- Rapid Cure Technology (RCT)[™]

USES

- Used above or below grade, on vertical, overhead and horizontal surfaces
- Suited for patching distressed horizontal, vertical and overhead surfaces including precast products, concrete pipe, various concrete structures.
- Used to fill honeycombs, form tie rise holes, spalls or irregularities due to unconsolidated concrete or deterioration.

TECHNICAL DATA

Working Time

30 and 60 minutes at 70° F (21°C)

Set Time ASTM C 191 @ 70° F (21° C)

GML-30 Initial set	Approx. 20 min.
GML-60 Initial set	Approx. 45 min.

Compressive Strength ASTM C 928

1 hour	1,925 psi (13.3 MPa)
3 hours	3,340 psi (23.0 MPa)
1 day	4,885 psi (33.7 MPa)
7 days	5,845 psi (40.3 MPa)
28 days	6,500 psi (44.8 MPa)

Freeze/Thaw Resistance ASTM C 666 Method "B"

After 300 cycles	1% loss due to slight scaling; no spalling
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Average Scaling Resistance (ASTM C 672-98)

No. of cycles	Rating	Condition of surface
25	0	No scaling visible

Shear Bond Strength ASTM C 882

1 day	1,035 psi (7.1 MPa)
7 days	1,650 psi (11.4 MPa)

Flexural Strength ASTM C 348

1 day	1,142 psi (7.9 MPa)
28 days	1,180 psi (8.1 MPa)

Test results obtained under controlled laboratory conditions.
Reasonable variations can occur due to atmospheric and job site conditions.

