

Ply-Guard CM

Technical Bulletin

Ply-Guard CM is a 1:1 mix ratio, ultra-low viscosity polyurethane compound ideal for industrial and commercial use. Its extended gel time and viscosity allows it to readily penetrate concrete more deeply, as well as providing a quick hardness build. This versatile material is designed to be used as a stand-alone material or mixed with dry silica sand to make a thicker build formula. Ply-Guard CM is perfect for rebuilding cracks, expansions, and skim coatings floors to fill in air holes and missing sections of concrete.

Key Features

- Low Viscosity
- 1:1 Volume Ratio
- Foot Traffic in 10–15 Mins; 2 Hour Recoat Window
- Cures in All Ambient Conditions
- Lengthened Gel Time Allows for Improved Penetration in Concrete

Applications

Ply-Guard CM is ideal for:

- Cracks, Pitted, and Spalled Concrete
- Vertical Repair
- Industrial and Commercial Use
- Anchoring
- Filling Micro Air Holes
- Leveling Uneven Concrete

Processing

Consult a Polyset Technical Representative for additional detail or application training.

| Property | A Side | B Side |
|-------------------------------------|-------------|---------|
| Specific Gravity, g/cm ³ | 1.09 | 0.96 |
| Viscosity, cps | 22 | 17 |
| Weight/Gallon, lbs | 9.09 | 7.96 |
| Percent Solids, % | 100 | 100 |
| Color | Clear Amber | Neutral |
| Mix Ratio | | |
| Mixing Ratio (by Weight), g | 53 | 47 |
| Mixing Ratio (by Volume) | 1 | 1 |
| Gel Time (50 g), Seconds | 240 | |
| Gel Time (100 g), Seconds | 180 | |
| Properties of Mixed System | | |
| Hardness @ 1 Hour, Shore D | 70 | |
| Hardness Final, Shore D | 75 | |

Shelf Life: 6 months from the manufacture date under normal conditions

Packaging: 1 Gallon and 10 Gallon Kits

Storage: Store between 60–90°F in tightly sealed containers.

For Professional Use Only

Ply-Guard CM is for industrial use only. Avoid contact with eyes and skin, and do not inhale or ingest. Be sure to read the Safety Data Sheet in its entirety.

FOR ADDITIONAL APPLICATION & EQUIPMENT RECOMMENDATIONS, PLEASE CONSULT YOUR POLYSET TECHNICAL REPRESENTATIVE.

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