



# Chemical Grout Application Guide

A Guide To MasterRoc<sup>®</sup>  
Injection Products By Application

# Chemical Grout Application Guide

## MasterRoc® Products

### Applications

#### Properties / Details

Product	Properties / Details	Storm Pipe and Box Culvert Repair	Mainline Sewer Repair	Hairline Crack Injection	Wide Crack Injection	Low to Medium Water Ingress	High Water Ingress	Concrete Repair	Masonry Repair	Permeation Grouting	Pre-injection Grouting	Small Void Fill	Strata Consolidation	Cavity Filling	Rock Bolt Anchor Resin	Cable Bolt Anchor Resin
<b>Acrylic Resins</b>																
MasterRoc MP 300	Low viscosity, Very flexible gel with adjustable water to resin ratios 1:1 to 3:1	■	■	■		■		■	■	■	■		■			
MasterRoc MP 304	Low viscosity, Very flexible	■		■		■		■	■	■	■		■			
MasterRoc MP 307 CE	Low viscosity, Adjustable setting time, Rubber-like			■		■		■	■	■	■		■			
MasterRoc MP 309	Low viscosity, High compressive strength					■		■	■	■	■		■			
<b>Hydrophobic One-Component Polyurethane</b>																
MasterRoc MP 355 1K	High expansion, Semi-rigid foam, Used with MasterRoc MP 355 1K accelerator	■			■	■				■		■				
MasterRoc MP 355 1K DW	High expansion, Flexible foam, Used with MasterRoc MP 355 1K accelerator	■			■	■				■		■				
<b>Two-Component Polyurethane</b>																
MasterRoc MP 355	Fast reaction time, Dense cured material					■							■			
MasterRoc MP 355 w/ Accel 10	Dense, High Foam Expansion Factor, Rapid reaction					■	■						■			
MasterRoc MP 355 w/ Accel 25	Strong foam, Low Foam Expansion Factor					■	■						■			
MasterRoc MP 358 SC	Dense, Foam Expansion Factor 3, Rapid strength gain					■	■						■			
<b>Two-Component Polyurea Silicate</b>																
MasterRoc MP 368	Rapid strength development, High density resin, Not water-sensitive			■				■	■				■			
MasterRoc MP 368 TIX	Thixotropic behavior, Not water-sensitive				■	■		■	■				■			
MasterRoc MP 367	High Foam Expansion Factor, Fast reaction, Not water-sensitive												■	■	■	
<b>Microfine / Ultrafine Cement</b>																
MasterRoc MP 650	Microfine cement – 2 h set time									■	■	■				
MasterRoc MP 800	Ultrafine cement – 2 h set time									■	■	■				
MasterRoc MP 900	Ultrafine cement – 2 h set time									■	■	■				
<b>Colloidal Silica</b>																
MasterRoc MP 325	Ultra low viscosity, One-component grout									■	■	■				
<b>Rock Bolting</b>																
MasterRoc RBA 380	Two-component thixotropic resin, Rapid strength														■	■
MasterRoc RBA 387	Extremely fast-reacting thixotropic resin, Rapid strength gain, Suitable for cold weather applications														■	■
<b>Chemical Grouting Accessories</b>																
MasterRoc MP 230 CLN	Pump cleaner, Equipment preservation agent															
MasterRoc MP 304 Part B	Optional component used with acrylic resins (MasterRoc MP 300, MP 304 and MP 307 CE) for increased bond and decreased shrinkage in wet and dry cycling															
MasterRoc FLC 100	Powdered rheoplastic additive for nonshrink cement grout															
MasterRoc EQ 512 PK	Mechanical packer for high pressure chemical grout, 1/2 in. (13 mm) diameter															
MasterRoc EQ 558 PK	Mechanical packer for high pressure chemical grout, 5/8 in. (16 mm) diameter															
MasterRoc EQ 250 OR	Oakum rope, 2 in. (50 mm) diameter															

This guide shows the relative performance and properties of MasterRoc injection products. Depending on the jobsite conditions, the performance obtained may be different from the performance shown in this guide. Contact your local sales representative for additional information on the performance of Master Builders Solutions MasterRoc line of products.



# Master Builders Solutions

The Master Builders Solutions brand brings expertise to create chemical solutions for new construction, maintenance, repair and renovation of structures. Master Builders Solutions is built on the experience gained from more than a century in the construction industry.

The know-how and experience of a global community of construction experts form the core of Master Builders Solutions. We combine the right elements from our portfolio to solve your specific construction challenges. We collaborate across areas of expertise and regions and draw on the experience gained from countless construction

projects worldwide. We leverage global technologies, as well as our in-depth knowledge of local building needs, to develop innovations that help make you more successful and drive sustainable construction.

The comprehensive portfolio under the Master Builders Solutions brand encompasses concrete admixtures, cement additives, chemical solutions for underground construction, fiber reinforcement solutions, waterproofing solutions, sealants, concrete repair and protection solutions, performance grouts, and performance flooring solutions.

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