

Chemical Grout Application Guide

A Guide To MasterRoc[®]
Injection Products By Application



Chemical Grout Application Guide

MasterRoc® Products

Properties / Details

Acrylic Resins

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

Hydrophobic One-Component Polyurethane

MasterRoc MP 355 IK	High expansion, Semi-rigid foam, Used with MasterRoc MP 355 IK accelerator
MasterRoc MP 355 IK DW	High expansion, Flexible foam, Used with MasterRoc MP 355 IK accelerator

Two-Component Polyurethane

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

Two-Component Polyurea Silicate

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

Microfine / Ultrafine Cement

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

Colloidal Silica

MasterRoc MP 325	Ultra low viscosity, One-component grout
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Rock Bolting

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

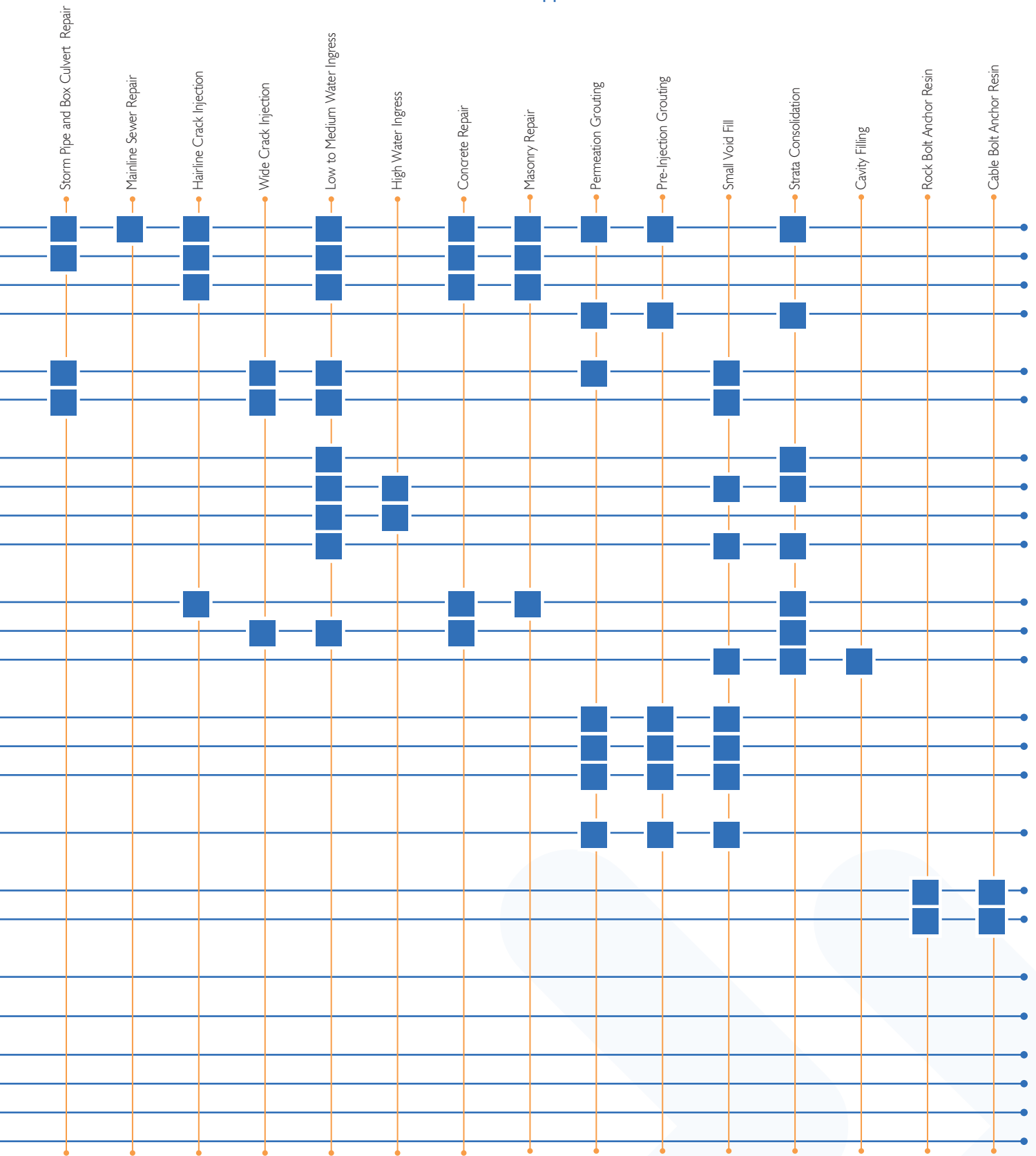
Chemical Grouting Accessories

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.

Applications

Chemical Grout Application Guide
from Master Builders Solutions



About Master Builders Solutions

Master Builders Solutions is a leading global manufacturer of concrete admixtures, as well as other sustainable solutions for the construction industry, focussed on delivering its vision: **Inspiring people to build better**. Master Builders Solutions provides value-added technology and market-leading R&D capabilities to improve the performance of

construction materials and to enable the reduction of CO2 emissions in the production of concrete. Founded in 1909, Master Builders Solutions has ca. 1600 employees operating 35 production sites globally, supporting their customers in mastering their building challenges of today – for a decarbonised future.

Master Builders Solutions Admixtures US, LLC
23700 Chagrin Boulevard
Beachwood, OH 44122 USA
(800) 628-9990

master-builders-solutions.com/en-us
admixtures@masterbuilders.com

Master Builders Solutions Canada, Inc
1800 Clark Boulevard
Brampton, Ontario L6T 4M7 CANADA
(289) 360-1300

