

# MasterRoc<sup>®</sup> SRS 720

## Two-component, fast-reacting, spray-applied resin for high-resistance surface support

### Description

MasterRoc SRS 720 is a fast-reacting, two-component resin designed to enhance stability and protect against weathering across a wide range of surfaces. The components are mixed and applied as a thin paste, hardening within minutes to provide high tensile and bond strength. With excellent adhesion to most substrates, the product significantly improves ground stability and stand-up time.

### Applications

MasterRoc SRS 720 resin is recommended for use in various tunneling and mining applications, including:

- Stabilization of excavation faces and surrounding rock after blasting or cutting
- Rock reinforcement in hard-to-access areas
- Alternative to mesh/screen protection, with or without bolts
- Preliminary surface protection before final construction
- Mitigation of strain bursting and large deformations in hard rock
- Protection against air-slacking and rock weathering
- Pillar/rib support
- Rehabilitation of damaged or unstable areas
- Masonry and brick line refurbishment
- Vent-stopping applications

### Features

- Fire-resistant
- Fast setting and rapid strength development (< 5 minutes)
- Strong adhesion to a variety of substrates (rock, coal, concrete, steel, etc.)
- Water-resistant – prevents expansion or degradation upon water contact
- Easy to mix even at low temperatures (> 40 °F (5 °C))
- Ready-to-use for simple and efficient application

### Benefits

- Enhances structural stability and safety
- Increases service life of treated surfaces
- Reduces material waste with precise application
- Improves efficiency in tunneling, mining, and rock stabilization

### Performance Characteristics

#### Technical Data

#### Physical properties:

	COLOR	VISCOSITY, MPAS	DENSITY, lb/ft <sup>3</sup> (g/cm <sup>3</sup> )
Part A	Colorless	490	86.8 (1.39)
Part B	Dark Brown	150	73.7 (1.18)

**Reaction characteristics:**

Setting Time	3 min ± 20s
Expansion Factor	1
Compressive Strength	> 5000 psi (35 MPa)
Shore D Hardness	> 65

Note: Test at 73 °F (23 °C)

**Guidelines for Use**

**Equipment and Application Procedure:** Part A and Part B of MasterRoc SRS 720 resin are delivered ready to use. They should be applied in the ratio of 1:1 by volume, using a standard 3-component piston or gear pump equipped with a static in-line mixer nozzle, as shown in the photo below.



**Consumption:** The Consumption rate of MasterRoc SRS 720 resin is dependent on the substrate's roughness. The recommended thickness is a minimum of 1/8 inch (3 mm). To get this recommended thickness on a smooth surface, approximately 0.7 gallons per 10 ft<sup>2</sup> (3.0 L per m<sup>2</sup>) of mixed resin is required.

**Cleaning of Equipment:** For short breaks during the application, run a pump cleaner (for example, MasterRoc MP 231 CLN) through the nozzle and the static in-line mixer.

After the application process, thoroughly clean the equipment with MasterRoc MP 231 CLN to prevent residual material buildup.

**Storage and Handling**

**Storage Temperature and Shelf Life:** If stored in dry conditions, in unopened and tightly closed original containers, and within a temperature range of 40 °F to 95 °F (5 °C to 35 °C), MasterRoc SRS 720 resin has a minimum shelf life of 24 months. Exposure to direct sunlight should be avoided during storage.

**Safety:** The use of gloves, eye protection, and safety clothes during handling is recommended. Any physical contact (e.g. skin or eyes) with the product should be avoided. If contact with skin occurs, wash thoroughly with soap and water. In case of eye contact, rinse thoroughly with water and seek immediate medical advice.

Uncured products should not be allowed to enter local drainage systems. Spillage must be collected using absorbent materials such as sawdust or sand and be disposed of following local regulations.

For further information, refer to the Safety Data Sheet or contact your local Master Builders Solutions representative.

**Packaging**

MasterRoc SRS 720 is available in 249-gallon (941 l) IBC totes, 52-gallon (197 L) steel drums, and 5-gallon (19 L) HDPE pails.

**Related Documents**

Safety Data Sheets: MasterRoc SRS 720 Part A and MasterRoc SRS 720 Part B

**Additional Information**

For additional information on MasterRoc SRS 720, please get in touch with your local sales representative.

## Limited Warranty Notice

Master Builders Solutions Admixtures US, LLC ("Master Builders Solutions") warrants this product to be free from manufacturing defects and to meet the technical properties on the current Technical Data Guide, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. MASTER BUILDERS SOLUTIONS MAKES NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ITS PRODUCTS. The sole and exclusive remedy of Purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is shipment to purchaser of product equal to the amount of product that fails to meet this warranty or refund of the original purchase price of product that fails to meet this warranty, at the sole option of Master Builders Solutions. Any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by Purchaser. MASTER BUILDERS SOLUTIONS WILL NOT BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR PUNITIVE DAMAGES OF ANY KIND.

Purchaser must determine the suitability of the products for the intended use and assumes all risks and liabilities in connection therewith. This information and all further technical advice are based on Master Builders Solutions' present knowledge and experience. However, Master Builders Solutions assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights, nor shall any legal relationship be created by or arise from the provision of such information and advice. Master Builders Solutions reserves the right to make any changes according to technological progress or further developments. The Purchaser of the Product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with a full application of the product(s). Performance of the product described herein should be verified by testing and carried out by qualified experts.