

MasterRoc[®] SLP 1

Liquid polymer for soil conditioning in Tunnel Boring Machines (TBM)

PRODUCT DESCRIPTION

MasterRoc SLP 1 is a polymer which is used to enhance the performance of MasterRoc SLF foam products under difficult ground conditions.

FIELDS OF APPLICATION

- EPB shield machines
- Poorly graded and water saturated ground

FEATURES AND BENEFITS

- Tackling water problems in ground containing fine sand or silt.
- Reducing soil permeability.
- Creation of plastic deformation properties in the soil which provides an even and controlled support pressure and increased face stability.
- Lowering inner friction and abrasiveness of the soil.
- Increasing cohesion of coarser sands and sandy gravels.
- Strong viscosifying effect, turning wet soil into a more manageable consistency.
- When injected directly into the screw conveyor, it helps the formation of the “plug”.
- Ready to use - no mixing equipment required.

PACKAGING

MasterRoc SLP 1 is available in standard 200 liter drums, or 1000 liter IBCs.

TECHNICAL DATA

Form	Liquid
Color	Transparent
Density [kg/m³] 20°C	1035 - 1045
pH 20°C	6.5 - 7.5
Solubility in water	Total

APPLICATION PROCEDURE

MasterRoc SLP 1 can be added to the foaming solution. **MasterRoc SLP 1** can also be used independently, in which case it is injected into the working chamber or screw conveyor.

The quantity of **MasterRoc SLP 1** polymer needed depends on the soil conditions.

For the combination with other soil conditioning agents, please contact your local Master Builders Solutions representative.

CONSUMPTION

The typical consumption of **MasterRoc SLP 1** is between 0.2 – 2 kg/m³ of soil (in situ). Other dosage levels may also be appropriate - please consult your local Master Builders Solutions representative.

STORAGE

MasterRoc SLP 1 must be stored between 5°C and 35°C. If stored in original closed containers, it will have a shelf life of 12 months. Do not allow the product to freeze. Please contact your local Master Builders Solutions representative prior to the use of any product that has frozen.

SAFETY PRECAUTIONS

MasterRoc SLP 1 contains no hazardous substances. However, standard precautions for handling chemical products should be observed. Avoid eye and skin contact and wear rubber gloves and safety glasses. If skin contact occurs, rinse with plenty of water. In case of eye contact seek medical advice. For further information, refer to the Material Safety Data Sheet.

MasterRoc[®] SLP 1

Liquid polymer for soil conditioning in Tunnel Boring Machines (TBM)

® = registered trademark of a MBCC Group member in many countries of the world

MID#MasterRoc[®] SLP 1 - 04.2021

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by Master Builders Solutions either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

PT Master Builders Solutions Indonesia

Jl. Jababeka V Blok I No 1, Kawasan Industrial Estate
Jababeka 1, Pasirgombong, West Cikarang,
Bekasi, West Java 17530
www.master-builders-solutions.com/en-id