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# MasterRoc<sup>®</sup> SLP 1

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Formerly MEYCO SLP1

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 SLP 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

<b>Form</b>	Liquid
<b>Colour</b>	Transparent
<b>Density [kg/m<sup>3</sup>] 20°C</b>	1035 - 1045
<b>pH 20°C</b>	6.5 – 7.5
<b>Solubility in water</b>	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 BASF representative.

## Consumption

The typical consumption of MasterRoc SLP 1 is between 0.2 – 2 kg/m<sup>3</sup> of soil (in situ). Other dosage levels may also be appropriate - please consult your local BASF 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 BASF 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.



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The information given here is true, represents our best knowledge and is based not only on laboratory work but also on field experience. However, because of numerous factors affecting results, we offer this information without guarantee and no patent liability is assumed. For additional information or questions, please contact your local representative.

**Headquarters:**

**BASF Construction Chemicals Europe Ltd**

Global Underground Construction  
Im Tiergarten 7, 8055 Zurich Switzerland  
Phone +41 58 958 22 11  
Fax +41 58 958 32 46

For more information: Visit us: [www.ugc.basf.com](http://www.ugc.basf.com) Contact us: [ugc@basf.com](mailto:ugc@basf.com)

**BASF Construction Chemicals offices in Russia, Ukraine, Belarus**

OOO "BASF Stroitelnye sistemy"  
Moscow: +7 495 225 6436 St. Petersburg: +7 812 332 0412  
Kazan: +7 843 212 5506 Krasnodar: +7 861 202 2299  
Kiev: BASF T.O.V. +380 44 5915595 Minsk: +375 17 202 2471  
E-mail: [stroysist@basf.com](mailto:stroysist@basf.com) [www.master-builders-solutions.basf.ru](http://www.master-builders-solutions.basf.ru)