

# MasterRoc SLP I

Liquid polymer for the treatment of soils excavated with TBM.

## Product description

MasterRoc SLP I is a lubricating liquid polymer, used in combination with the foams of the MasterRoc SLF line in particularly difficult soils, for example in coarse soils with low fine content or in saturated soils with high hydraulic pressures. It is generally used, but not only, in sub-stratum conditions, when the foam alone is inadequate to modify the properties of the soil.

## Fields of application

- Treatment of excavated land in EPB;
- Particularly recommended for saturated, poorly graded soils excavated in EPB.

## Features and benefits

MasterRoc SLP I has been specifically formulated for the treatment of soils excavated with shielded mechanical cutters. Particularly suitable for improving the consistency of a soil, the product is indicated when there are problems related to the presence of water in soils containing fine sands and silts. Generally, when mixed with MasterRoc SLF series foams, it provides:

- reduce permeability and increase the cohesion of the soil in front of the excavation;
- improve the plastic deformation properties of the ground, exerting a uniform pressure on the support which favours the support of the front;

- increase cohesion in gravels and coarse sands with little fines and thus facilitate the extraction of the soil;
- strongly increase the viscosifying effect, bringing a very humid soil to an easy to handle consistency.

The product is environmentally friendly, ready to use, easy to manage to reach the most suitable dosage for the particular soil conditions.

## Packaging

MasterRoc SLP I: 1000 liter tanks and 200 liters drum.

## Consumption

Generally, the consumption of MasterRoc SLP I is between 0.3 - 3% in the foamy solution (0.2 - 2% kg / m<sup>3</sup> on the volume of the excavated soil).

Other dosage levels may be considered appropriate in particular circumstances, in this case consult your local Master Builders Solutions technician.

## Storage

The storage temperature of the MasterRoc SLP I is between 5 and 35°C.

If closed in its original containers under the above conditions, the product has a minimum shelf life of 12 months. Do not freeze the product.

Technical Information	
Form	Liquid
Color	Transparent, pale yellow
Density (+20°C)	kg / m <sup>3</sup> 1035 - 1045
pH value at 20°C (1:1 water solution)	6.5 - 7.5
Water solubility	Total

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## Application procedure

MasterRoc SLP I can be added to the foaming solution before or during the foaming process.

MasterRoc SLP I can be used alone, in this case it is injected together with the water or directly into the storage chamber or into the conveyor belt. The quantity of MasterRoc SLP I polymer in the foaming solution, the RES and the FIR vary according to the conditions of the soil

## Warning

MasterRoc products are for professional use. For further information, consult the Master Builders Solutions Italia Spa area technician.

## Safety information

For information on the correct and safe use, transport, storage and disposal of the product, consult the most recent Safety Data Sheet.

## Other services

For additional technical information, brochures, references, technical reports and technical support please visit [www.master-builders-solutions.com/it-it](http://www.master-builders-solutions.com/it-it) or alternatively contact [infomac@masterbuilders.com](mailto:infomac@masterbuilders.com).

Scan QR code to visit the product page and download the latest version of this technical data sheet and any additional documentation.



## Disclaimer

Since 16/12/1992, Master Builders Solutions Italia Spa has been operating under a Certified Quality System compliant with the UNI EN ISO 9001 Standard. Furthermore, the Environmental Management System is certified according to the UNI EN ISO 14001 Standard and the Safety Management System is certified according to the UNI ISO 45001 Standard.

For further information, please consult the local Technician of Master Builders Solutions. The technical advice on how to use our products, either written or verbally given, are based on the current state of our scientific and practical expertise, and does not imply the assumption of any guarantee and/or responsibility for the final results of works executed using our products.

Therefore, the customer is not exempted from the exclusive task and responsibility of verifying the suitability of our products for the intended use and purposes.

This version supersedes all the previous ones.

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