

MEYCO[®] SLF 41

Soil conditioning foam for Tunnel Boring Machines

Product description

MEYCO[®] SLF 41 is a polymer reinforced foaming agent especially designed for soil conditioning in Tunnel Boring Machines.

Fields of application

- Soft ground tunnelling with Tunnel Boring Machines
- Designed for soils containing low amounts of fine particles and high amount of water

Features and benefits

- Improved soil plasticity
- Easier 'mucking'
- Environmental friendly

MEYCO[®] SLF 41 has been especially developed as soil conditioning agent for TBM tunnelling. Mixed with the soil, the product provides generally:

- Reduced permeability and increased sealing of the face
- Creation of plastic deformation properties in the soil, which provides an even and controlled support pressure and increased face stability
- Lower inner friction and lower abrasiveness of the soil at the cutter head as well as at the screw conveyor. This reduces power consumption; enables quick soil extraction as well as reducing wear.

Packaging

MEYCO[®] SLF 41 is available in standard 200 litre drums or 1000 litre IBC.

Bulk tanker supply is available on request.

Technical data

Form	Liquid
Color	transparent
Density; kg/m ³ ; 20°C	1035 -1045
pH ; 20°C	6.5-7.5
Solubility in water	Total

Application procedure

MEYCO[®] SLF 41 foam solution can be mixed with air to produce a stable foam. The foam recipe, foam expansion and the foam injection rate into the face, working chamber or screw conveyor depends on soil conditions encountered.

Consumption

Typically, the MEYCO[®] SLF 41 is used as a 2 – 3% solution in water (general range 2 – 6%). MEYCO[®] SLF P1 or MEYCO[®] SLF P2 polymers (see separate data sheets) can be used simultaneously with the MEYCO[®] SLF 41 in order to strengthen the foam or to adjust the properties of the excavated soil.



The Chemical Company

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Storage

The storage temperature of MEYCO[®] SLF 41 is between 5°C and 35°C. If stored in original closed containers, MEYCO[®] SLF 41 will have a shelf life of 12 months. Do not allow the product to freeze. It is recommended that your local representative be consulted prior to the use of any product that has become frozen.

Safety precautions

Standard precautions for handling chemical products should be observed: Avoid eye and skin contact and wear rubber gloves and goggles.

For further information, refer to the Material Safety Data Sheet.

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As all BASF technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.

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