

KAMAFOAM 701

Product Description Ground treatment is an essential step in the productivity and safety of the project. By injecting foam and/or additives on the tunnel face, it is possible to transform the ground to get an effective pressure control. The treated ground shows lower permeability than untreated ground. These conditions allow excavation in complete safety while reducing the constraints for the tunnel boring machine (torque ,thrust force, clogging, wear, etc...).

Application KAMAFOAM 701 for ground treatment allow for the following actions:

- Better pressure control
- Reduction in clay sticking to the tools
- Reduction in maintenance operations for cleaning
- Results in homogeneous and workable ground from granular ground saturated with water
- Reduction in the wear of tools and their replacement frequency
- Reduction in the cutting wheel and screw torque
- Reduction of foaming agent consumption in a spirit of sustainable development
- Avoidance of water entering the chamber
- Reduction in consumption of site water

Typical Properties

COMMON NAME	Foaming agent	CHEMICAL FORMULA	Nonionic and anionic surfactants
APPEARANCE	Transparent Liquid	SOLUBILITY IN WATER @ 20° C	soluble
SPECIFIC GRAVITY AT 25° C, APPROX	1 ± 0.01	pH AT 25° C	5

Dosage Typically, KAMAFOAM 701 is used at 2 to 3% (range 2 – 6%) in water to make a solution and it cause nonstable foam.

Health & Safety Standard precautions for handling chemical products should be observed: Avoid eye and skin contact and wear rubber gloves and safety glasses. For further information, refer to the Material Safety Data Sheet

Handling KAMAFOAM 701 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 KPT prior to the use of any product that has frozen.

Packaging & Storage KAMAFOAM 701 is available in 5 and 55 gallon barrel drums.