

MasterRoc ACP 214

Liquid dispersant additive for fine soils.

Product description

MasterRoc ACP 214 is a polycarboxylic acid based liquid solution, formulated for use as a dispersing agent in fine soils. MasterRoc ACP 214 is particularly effective as a dispersant in clay soils and minerals.

It is not sensitive to water hardness and strong temperature changes.

Fields of application

MasterRoc ACP 214 can be used:

- in excavations with TBM to disperse well-consolidated and cohesive clay soils. It allows to reduce the quantity of water to be injected at the face and to decrease the tenacity and viscosity of the soil without reducing its consistency;
- in the of excavations with TBM in clayey soils, after prolonged construction site stops;
- in general mixing of fine soils;
- in the stabilization of bentonite slurries in storage.

Features and benefits

- Product ready to use.
- Effective and economical system to break up clay soils.

Packaging

MasterRoc ACP 214 is supplied in 1000 kg IBCs.

Storage

The product must be kept in the original packaging at temperatures between 5 and 50°C.

In the event of freezing of the product, consult the Master Builders Solutions Italia Spa area technician.

Consumption

The dosage of application depends on various factors such as the consistency of the soil or the amount of water added.

In general the required dosage is as follows:

- add to the foamy solution, between 0.3 and 3% of the volume of excavated soil;
- add to water alone, between 0.5 and 1.5% of the volume of excavated soil;
- in bentonite slurries between 0.05 and 0.1 % of the volume of the mixture.

Technical Information	
Form	Liquid
Color	yellow
Density (g/cm ³ at 20°C)	1,090 – 1.150
pH	7.3±0.3
Solids content, % (1 hour, 130°C)	44±1
Miscibility	Total
Viscosity according to, mPa*s (Brookfield)	250 ± 100

MasterRoc ACP 214

Liquid dispersant additive for fine soils.

Application procedure

MasterRoc ACP 214 can be added to the foam solution or directly to the injection water, in the cutting head or in the excavation chamber.

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 or alternatively contact 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.

Master Builders Solutions Italia Spa

Via Vicinale delle Corti, 21 – 31100 Treviso – Italia

T +39 0422 429200 F +39 0422 421802

www.master-builders-solutions.com/it-it

e-mail: infomac@masterbuilders.com