



MasterFlow[®] 9600

Bulk Supplied
Offshore Grout
for Monopile Foundations
with Bolted Connections



MasterFlow 9600: Bulk Supplied Offshore Grout

MasterFlow 9600 is the **revolutionary** offshore grout specially developed for use as volume stable skirt backfill for monopile foundations with bolted connections.

The supply of the material in silo and the installation method using a continuous mixing and pumping system allows grout to be installed while other activities are ongoing, ensuring that the grouting process does not interfere with the critical path of the foundation installation itself.

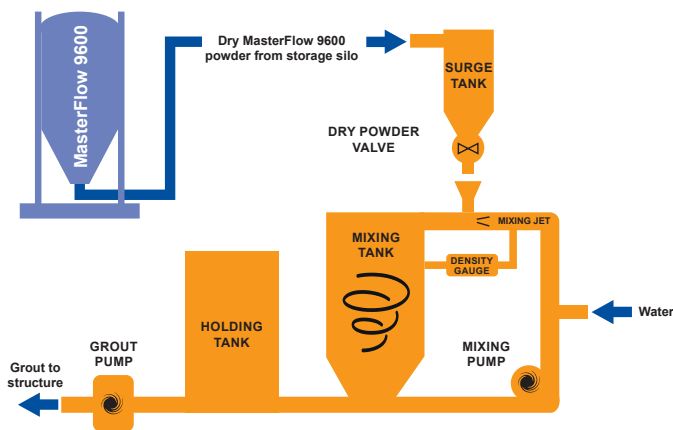
Fields of application

The material is especially formulated for large scale applications where bulk grout supply and continuous mixing and pumping are a major benefit:

- Grouting of skirt in monopile foundations with bolted connections
- Grouting under harsh offshore conditions and at temperatures as low as 2 °C

MasterFlow 9600 is specially designed for monopile foundations with bolted connections, in particular where the grout is required to protect the bolts from corrosion. As skirt backfill with a compressive strength in the range of 60 MPa or more, the grout prevents indents or point loading of the skirt during boat landing.

Installation method



Advantages and benefits



Excellent durability

- Volume stable
- Good corrosion protection



Secure installation

- Grout strength compatible with offshore foundation design – strength class C60 according EN 206
- Excellent strength gain



Controlled and continuous material quality

- Factory blended material
- Storage in silos – weather independent
- No segregation during transport or storage



Fast, safe and cost optimized installation

- Material supplied in bulk: no crane operations or moving objects
- Grouting rate of $\geq 20 \text{ m}^3/\text{h}$
- Grouting process does not interfere with critical path of foundation installation
- Grouting in a closed process: no dust formation
- Minimized deck space required



Monopile on deck



Bolted connection and grout overflow

**Master Builders Solutions
Constructions Systems US, LLC**
889 Valley Park Drive
Shakopee, MN 55379 USA

Customer Service (800) 433-9517
Technical Service (800) 243-6739
master-builders-solutions.com/EN-US

**Master Builders Solutions
Product Management**
c/o PCI Augsburg GmbH
Piccardstrasse 11
86159 Augsburg, Germany
master-builders-solutions.com

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