



## **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.

## Advantages and benefits



### Excellent durability

- Volume stable
- Good corrosion protection



### Secure installation

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



### Controlled and continuous material quality

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

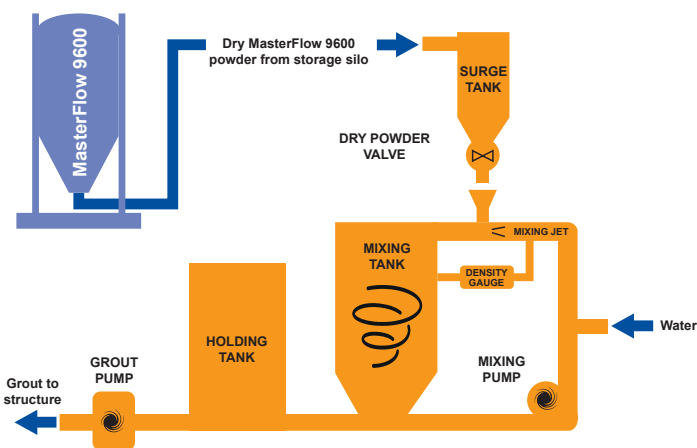
2 °C

### 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



## Installation method



Monopile on deck



Bolted connection and grout overflow

**Master Builders Solutions**  
Product Management  
c/o PCI Augsburg GmbH  
Piccardstrasse 11  
86159 Augsburg, Germany  
[www.master-builders-solutions.com](http://www.master-builders-solutions.com)

**Master Builders Solutions UK Ltd**  
19 Broad Ground Road, Lakeside,  
Redditch Worcestershire, B98 8YP, United Kingdom  
P +44 1527 512 255, F +44 1527 503 576  
[reditchcom@mbcc-group.com](mailto:reditchcom@mbcc-group.com)  
[www.master-builders-solutions.com](http://www.master-builders-solutions.com)

**Master Builders Solutions Belgium nv**  
Nijverheidsweg 89  
3945 Ham, Belgium  
P +31 11 340 431  
[mbs-cc-be@mbcc-group.com](mailto:mbs-cc-be@mbcc-group.com)  
[www.master-builders-solutions.com](http://www.master-builders-solutions.com)

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