

Ducorit® S8

Next Generation Offshore Bulk Grouting Solution





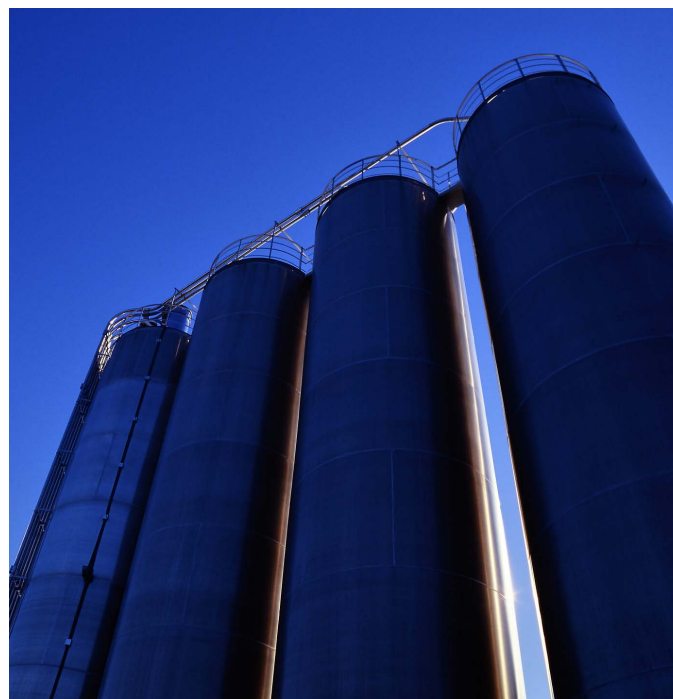
DUCORIT® S8

INCREASE PRODUCTIVITY AND RELIABILITY WITH DNV-GL-ST-C502 CERTIFIED GROUTING SOLUTION

Ducorit S8 is an ultra-high performance pneumatically transferred cementitious grout designed for grouting offshore wind turbine foundations. This innovative solution is designed to result in a safe, secure and optimized grouting installation of the wind farm.

Cost-Effective Installations

Ducorit S8 is designed to provide superior delivery rates resulting in shorter installation time and cost-effective grouting operations. The batch mixing architecture consistently delivers a uniform high-quality product. The solution features 100% mixing and pumping redundancy built-in, greatly reducing the risk of equipment downtime.



TURNKEY SOLUTION

- Ducorit® Products
- Equipment
- Personnel & Supervision
- Testing Facilities
- Project Management
- Transport & Storage

Excellent Flowability

Ducorit S8 can be effectively pumped up to several hundred meters with as small as a 2-inch nominal bore. The enhanced outstanding flow and flow retention properties make it easy to pump in varying weather conditions during under water grouting.

Low Shrinkage

Ducorit S8 is designed to have zero shrinkage during curing, which reduces risk of cracking and optimizes contact between grout and steel in the foundation.

High Strength & Fatigue Resistance

Low Temperature Installations

Ducorit S8 is certified for use in temperatures as low as 1°C. This gives installers the freedom to continue installations even in harsh weather conditions.

DNV-GL Certified Properties

Maximum grain size	≤1 mm
Grout thickness (minimum)	30 mm
Grout thickness (maximum)	700 mm
Temperature range	1-30°C
Fresh grout density range	2.22 to 2.31 kg/l
Characteristic strength (EN12390-3) 20°C	≥90 MPa
3 day strength (75mm cubes)	83.7 MPa
28 day strength (75mm cubes)	110 MPa
Flexural Strength (40x40x160mm prisms)	13.3 MPa
ASTM C230 Max. spread flow rate at 20°C	310 mm
Shrinkage (Autogenous ASTM C1698)	+ 0,29 mm/m (Positive expansion)
Yield	0.5 l/kg
Fatigue factor (DNV-OS-C502)	1.0 (air) 0.95 (water)
Static E-Modulus MPa (ASTM C469)	34.9 GPa
Poisson's ratio	0.20
Water content	min. 14% max. 15%

*All data is from DNV-GL Certificate No: TAK00001BX
The technical data does not represent guaranteed minima.*



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