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.
GLOBAL OPERATIONS

Europe
ITW Performance Polymers
Rørdalsvej 44
9220, Aalborg Ø
Denmark
T. +45 9816 7011
E-mail: customerservice.aalborg@itwpp.com
www.itwpp.com

ITW Performance Polymers
Bay 150
Shannon Industrial Estate
Shannon, County Clare
Ireland
T: +353 61 771 500
E: customerservice.shannon@itwpp.com
www.itwpp.com

North America
ITW Performance Polymers
30 Endicott Street
Danvers, MA 01923
T: +1 855-489-7262
info@itwpp.com
www.itwpp.com

ITW Performance Polymers
130 Commerce Drive
Montgomeryville, PA 18936
T: +1 215-855-8450
customerservice.na@itwpp.com
www.itwpp.com

South America
ITW PP&F
Rua Antonio Felamingo, 430
Macuco, Valinhos, SP 13279-452
T: +55 19 2138-7600
www.itwppf.com.br

Asia Pacific
ITW PP&F China
2703, Xingyuan Building
No. 418, Guiping Rd.
Cao He Jing Hi-Tech Park
Shanghai
China 200233
T: +86-21-5426-1212
www.itwppfchina.com

ITW PP&F Japan
30-32 Enoki-cho,
Suita, Osaka 564-0053
Japan
T: +81-6-6330-7118
www.itwppfjapan.com

ITW PP&F Korea
13th floor, PAX Tower, Unit B
231-13, Nonhyeon-Dong, Gangnam-Gu
Seoul, Korea 135-010
T: +82-2-2088-3560
www.itwppfkorea.com

ITW P & F – Polymers Australia
100 Hassall Street, Wetherill Park
NSW 2164
Tel: +800 063 511
www.itwpf.com.au

ITW India Limited
Plot no: 34 to 37, Phase-2,
IDA, APIIC, Pashamylaram,
Medak Dist-502307
Andhra Pradesh, India
Tel: +08455-224700,224701
www.itwchemin.com

Densit is a registered trademark of Illinois Tool Works, Inc.
© 2018, Densit
© 2018 ITW Performance Polymers, September 2018

The technical information, recommendations, and other statements contained in this brochure are based upon tests or experience that ITW Performance Polymers believes are reliable, but the accuracy or completeness of such information is not guaranteed. The information provided is not intended to substitute for the customers own testing.