

Press Release



MasterFlow® 9800 – a bulk-supplied offshore grout enhancing productivity and safety

- **Excellent durability, controlled and continuous material quality**
- **Fast, cost-optimized and secure installation**
- **First presented at EWEA Offshore 2015 in Copenhagen, Denmark**

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Edinburgh, United Kingdom – March 2, 2015 – BASF and FoundOcean Ltd. have launched an integrated material-and-service system for the provision of a new high-strength grout, MasterFlow® 9800, in Edinburgh, UK. BASF will present the new product at its booth at the EWEA Offshore 2015 fair in Copenhagen, Denmark, from March 10 to 12.

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The new MasterFlow 9800 high-strength grout is the result of over three years of joint development with FoundOcean Ltd., the primary purpose of which has been to deliver significant and quantifiable improvements in productivity and safety when grouting offshore structures. The material is especially formulated for large-scale applications where bulk grout supply and continuous mixing and pumping are a major benefit.

“MasterFlow 9800 was developed toward the demanding requirements of a highly challenging offshore application environment. Aligning the excellent properties of the new offshore grout with the operational advantages of FoundOcean’s continuous mixing and pumping equipment will bring major health and safety improvements and installation cost reductions”, says Luc Westhof, Global Key Account Manager at BASF’s Construction Chemicals division.

Major advantages in operational processes

MasterFlow 9800 is set to improve offshore grouting by introducing a high-strength grout with important operational advantages. The material can be shipped and stored in silos rather than bags, facilitating quayside storage in all weathers as well as more flexibility in deck layout and omitting the requirement for bag or container lifting during grouting operations and dockside resupplies.

The material offers a number of superior properties, including extremely low autogenous shrinkage and excellent early strength development, even at cold temperatures, and high fatigue resistance. When combined with its operational advantages, these properties have the potential to provide significant reductions in grouting time cost optimization for the foundations installation, whilst ensuring the durability of the grouted connection.

“FoundOcean recognized a need amongst its customers for a material that could provide high early strength development and low temperature performance, yet also offer increased efficiency, safety and cleanliness”, comments Managing Director Jim Bell on

the motivation behind the joint development.

It also allows for the use of an upgraded version of FoundOcean's Recirculating Jet Mixer (RJM). The delivery rates when using an RJM are upwards of 20 cubic meters per hour and as such faster grouting of the annulus can be achieved, saving valuable offshore operating days. The closed circuit between the silo and RJM, along with the continuous mixing process, also minimizes overage, as well as reducing dust.

More information on MasterFlow can be found on the Internet at www.master-builders-solutions.basf.co.uk

Master Builders Solutions from BASF

Under the Master Builders Solutions® brand, BASF bundles its advanced chemical solutions for new construction, maintenance, repair and renovation of structures. Master Builders Solutions is built on the experience gained from more than 100 years in the construction industry. The comprehensive portfolio under the brand encompasses concrete admixtures, cement additives, chemical solutions for underground construction, waterproofing solutions, sealants, repair and protection solutions, performance grouts, and performance flooring solutions. Master Builders Solutions is backed by a global community of BASF construction experts. To solve our customers' specific construction challenges, we combine the suitable elements of our portfolio, our know-how across areas of expertise and regions, and draw on the experience gained in countless construction projects worldwide. We leverage global BASF technologies as well as our in-depth knowledge of local building needs, to develop innovations that help make our customers more successful and drive sustainable construction.

About the Construction Chemicals division

BASF's Construction Chemicals division offers advanced chemicals solutions for new construction, maintenance, repair and renovation of structures: Our comprehensive portfolio encompasses concrete admixtures, cement additives, chemical solutions for underground construction, waterproofing systems, sealants, concrete repair & protection systems, performance grouts, performance flooring systems, tile fixing systems, expansion control systems and wood protection solutions. The Construction Chemicals division's 5,400 employees form a global community of construction experts. To solve our customers' specific construction challenges from conception through to completion of a project, we combine our know-how across areas of expertise and

regions and draw on the experience gained in countless construction projects worldwide. We leverage global BASF technologies, as well as our in-depth knowledge of local building needs, to develop innovations that help make our customers more successful and drive sustainable construction. The division operates production sites and sales centers in more than 50 countries and achieved sales of about €2.1 billion in 2014.

About BASF

At BASF, we create chemistry – and have been doing so for 150 years. Our portfolio ranges from chemicals, plastics, performance products and crop protection products to oil and gas. As the world's leading chemical company, we combine economic success with environmental protection and social responsibility. Through science and innovation, we enable our customers in nearly every industry to meet the current and future needs of society. Our products and solutions contribute to conserving resources, ensuring nutrition and improving quality of life. We have summed up this contribution in our corporate purpose: We create chemistry for a sustainable future. BASF had sales of over €74 billion in 2014 and around 113,000 employees as of the end of the year. BASF shares are traded on the stock exchanges in Frankfurt (BAS), London (BFA) and Zurich (AN). Further information on BASF is available on the Internet at www.basf.com.