



News Release

P224/20e
June 23, 2020

MasterFlow 9800: bulk supplied high strength grout for sustainable and efficient offshore grouting operations

- » 25 years maintenance free operations**
- » Relevant installation time and cost reduction**
- » Northwester 2 wind farm project: successful cooperation between Jan De Nul Group and Master Builders Solutions[®]**

Master Builders Solutions[®] supports the development of wind power as a climate-friendly source of energy by offering our most advanced solutions for ensuring durability, full reliability of the assets and by aiding the successful construction of modern windfarms. In response to fast-changing new designs, extremely challenging environments and advancing technology, Master Builders Solutions experts have drawn on over 100 years of experience in the construction industry.

“The construction of offshore foundations is challenging because you are building something in a harsh environment, where you need to consider the unique forces acting on a foundation by the wind turbine”, as explains Richard Elins, Operations Business Manager - Master Builders Solutions.

MasterFlow 9800 is a bulk supplied high strength grout in the Master Builders Solutions portfolio for the wind industry that guarantees the fastest,

safest and most cost-effective installation of offshore wind farms. Because of the bulk supply aspect, the continuous mixing and pumping equipment as well as the early strength development, MasterFlow 9800 ensures a relevant advantage during the building process, helping to reduce the total construction time and therefore the costs. In addition, due to extremely low autogenous shrinkage and its high fatigue resistance, MasterFlow 9800 ensures up to 25 years of maintenance-free operations even in roughest conditions, thus contributing to a sustainable energy solution.

Offshore wind farm Northwester 2

Jan De Nul Group, based in Luxembourg, is a specialized provider of services for the offshore energy and energy transition sector worldwide, which successfully completed in the past months the installation of twenty-three V164.9-5MW turbines and one offshore substation in the wind farm Northwester 2 off the coast of Ostend in Belgium. When approaching the Northwester 2 project, Jan De Nul Group was specifically searching for a sustainable grouting solution, also highly performing, cost efficient and reliable over time. MasterFlow 9800 was selected for this project, being able to meet and exceed all customer's requirements.

By applying MasterFlow 9800, Jan De Nul Group reduced the time of the grouting works by 50% and saved 15% installation costs. Thanks to its proven long-term durability, MasterFlow 9800 will also help the operator of the wind farm by ensuring up to 25 years maintenance free operation, a timeframe that covers the entire life cycle of the wind farm. On top of its high-level performances, one of the main reasons why Jan De Nul Group decided to choose MasterFlow 9800 has been the direct dialogue and collaboration established with the experts of Master Builders Solutions. Carl Heiremans, Business Development Manager at Jan De Nul Group, says "when we apply MasterFlow 9800 we don't just expect a product delivery. We also wanted to understand the technology to apply it. And that's what we got."

Quantified Sustainable Benefits campaign

The above success story is part of the Master Builders Solutions "Quantified Sustainable Benefits" campaign, launched across Europe in 2017. The campaign focuses on projects where customers were able to increase their productivity while, at the same time, reducing costs and emissions thanks to the advanced chemistry

provided by Master Builders Solutions. The campaign won the prestigious German Design Award 2020 and the German Brand Award 2019. In 2018 it was honored with the German Prize for Online Communication for the best microsite and with three silver awards at the Best of Content Marketing Award.

The success stories from the “Quantified Sustainable Benefits” campaign can be found at: www.sustainability.master-builders-solutions.basf.com

More information on whole Master Builders Solutions portfolio for the wind industry can be found at: <https://www.master-builders-solutions.basf.co.uk/en-gb/solutions/for-wind-energy-foundations-and-towers>

About the Construction Chemicals division

BASF’s Construction Chemicals division offers advanced chemical solutions under the global umbrella brand Master Builders Solutions for the construction, maintenance, repair and renovation of structures. The brand is built on more than 100 years of experience in the construction industry. 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 joints & control systems and wood protection solutions.

The Construction Chemicals division’s approximately 7,200 employees form a global community of building experts. To solve our customers’ specific construction challenges from conception through to completion of a project, we draw on our specialist know-how, regional expertise and the experience gained in countless constructions projects worldwide. We leverage global BASF technologies and 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 offices in more than 60 countries and achieved sales of about €2.5 billion in 2019.

About BASF

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. More than 117,000 employees in the BASF Group work on contributing to the success of our customers in nearly all sectors and almost every country in the world. Our portfolio is organized into six segments: Chemicals, Materials, Industrial Solutions, Surface Technologies, Nutrition & Care and Agricultural Solutions. BASF generated sales of €59 billion in 2019. BASF shares are traded on the stock exchange in Frankfurt (BAS) and as American Depository Receipts (BASFY) in the U.S. Further information at www.basf.com.