



News Release

P187/18e
26. April 2018

BASF introduces innovative waterproofing and concrete protection for wastewater treatment plants and harsh chemical environments

- **MasterSeal 7000 CR system offers unique properties based on new technology**
- **Full protection in highly aggressive wastewater environments**
- **Significant life cycle extension of concrete structures with reduced downtime**

Mannheim, Germany, 26. April 2018 – With MasterSeal 7000 CR from Master Builders Solutions BASF announces an innovation to protect concrete and steel structures in extreme wastewater environments. It builds on the company's new technology Xolotec™ and uniquely combines application with performance properties to meet the challenges in aggressive wastewater environments.

“Our novel Xolotec™, technology was developed to solve the problems of challenging technical environments. It is an innovative and smart way of combining the advantages of different chemical products and thus represents a unique solution. When the material is mixed on site, a cross-linked interpenetrating network

(XPN) is formed, enhancing the overall material properties”, explains Roland Nowicki, Vice President, BASF Construction Chemicals Europe.

Resists biogenic sulfuric-acid corrosion

The effects of wastewater in collection networks and treatment plants can lead to rapid deterioration of concrete surfaces and corrosion of concrete reinforcements and steel structures. MasterSeal 7000 CR's high resistance to abrasion and biogenic sulfuric-acid corrosion is ideal to withstand the severe conditions that occur in pretreatment and aeration tanks, digesters, or sewers. MasterSeal 7000 CR's dynamic and static crack-bridging abilities protect concrete, even after non-structural cracks appear, thus prolonging life cycle of the structure.

Another key benefit of this novel resin technology is its tolerance to moisture, both in the substrate and in the environment. MasterSeal 7000 CR can be applied on very damp substrates by spray or roller, and its fast curing properties allow contact with water under pressure as early as 24 hours after application at 20 °C. This combination of properties provides long-term concrete protection while dramatically reducing the downtime of the structure, making MasterSeal 7000 CR the ideal solution for wastewater facilities.

“We are excited to launch this unique and performance-proven system offering the industry a solution that significantly extends the life cycle of concrete infrastructure facilities”, says Markus Scherler, Head of Business Segment Management Europe - Industrial and Concrete Refurbishment by BASF. “MasterSeal 7000 CR underscores BASF's commitment to continued innovation with the expansion of our waterproofing product range for the construction industry worldwide.”

More information on MasterSeal 7000 CR can be found at www.masterseal-7000cr.basf.com

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 6,500 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 €2.4 billion in 2017.

About BASF

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. The more than 115,000 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 five segments: Chemicals, Performance Products, Functional Materials & Solutions, Agricultural Solutions and Oil & Gas. BASF generated sales of €64.5 billion in 2017. BASF shares are traded on the stock exchanges in Frankfurt (BAS), London (BFA) and Zurich (BAS). Further information at www.basf.com.