

News Release



MasterFiber® MAC Matrix product meets requirements to replace conventional steel reinforcement in concrete pipe with synthetic macrofibers

CLEVELAND, OH, February 2, 2016 – BASF's Admixture Systems business announced that its MasterFiber MAC Matrix synthetic macrofiber meets the performance requirements of the ASTM C1818 Specification for Rigid Synthetic Fiber Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe. The standard, published in December 2015, follows an industry-wide research study to help increase the competitiveness of concrete pipe through the use of synthetic macrofibers.

The new ASTM standard allows the use of synthetic fibers with a serviceability factor of 0.90 or higher in place of traditional steel reinforcement. As the only synthetic macrofiber used in the research study,

For more information contact:

Nora Glauberman
BASF Corporation
Tel: 216-839-7800
E-mail:
Nora.glauberman@basf.com

BASF Corporation
23700 Chagrin Blvd.
Cleveland, OH 44122
www.master-builders-solutions.basf.us

MasterFiber MAC Matrix product is currently the only fiber to successfully undergo the long-term field and laboratory testing required to meet this standard.

“Fibers like MasterFiber MAC Matrix allow the concrete pipe to be lighter, safer, and easier to install than concrete pipe made with traditional steel reinforcement,” said Kenneth Kruse, Industry Manager, BASF. “The use of fibers can also improve long-term durability, and provide operational benefits to a producer when compared to producing pipe using traditional steel cages. In turn, this makes concrete pipe more competitive with pipe made from plastic and other materials.”

BASF was part of the industry-wide research team whose work led to the development of the new standard. The team included the American Concrete Pipe Association, researchers at the University of Texas at Arlington, and concrete pipe producers Forterra Building Products and Northern Concrete Pipe.

For more information about MasterFiber MAC Matrix, visit BASF on the web at www.master-builders-solutions.basf.us.

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 about 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

BASF Corporation, headquartered in Florham Park, New Jersey, is the North American affiliate of BASF SE, Ludwigshafen, Germany. BASF has more than 17,000 employees in North America, and had sales of \$20.6 billion in 2014. For more information about BASF's North American operations, visit www.basf.us.

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. Further information on BASF is available on the Internet at www.basf.com.