

News Release



New campaign on energy-efficient and sustainable construction is now online

Mannheim, Germany – February 22, 2017 – Increasing economic benefits while at the same time reducing global warming potential: How products from the Master Builders Solutions® range contribute to this is the focus of the new Europe-wide campaign “Quantified Sustainable Benefits – Reduce your Footprint and Boost Your Bottom Line.” Through a series of ads and a dedicated website, BASF’s Master Builders Solutions experts together with European customers present selected cases that demonstrate how superior chemistry enables customers to increase their productivity as well as decrease operational costs and carbon footprint. Externally validated evaluation tools like BASF’s Eco-Efficiency Analysis and Life Cycle

Februar 22, 2017
P 138/17e

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Analyzer quantify the obtained benefits.

Faster concrete hardening with Master X-Seed

Here is an example: Through the use of Master X-Seed, German precast manufacturer fdu Betonwerke was able to achieve a 50 percent reduction in concrete hardening time. Master X-Seed is an advanced hardening accelerator that is added to the concrete mix. The crystals incorporated in the admixture improve the early strength of the concrete. The high early strength of the concrete enables fdu to reduce the energy-intensive heat treatment of the fresh concrete, reducing production energy costs by up to 15 percent per site. Thomas Beike, Managing Director fdu Betonwerke, explains: “The formworks for concrete elements usually have to remain in the heat chamber for twelve hours to harden. That is time-, energy- and cost-intensive. Through the use of Master X-Seed, we have reduced curing time from twelve to six hours. The elements can be demolded earlier to be delivered to the construction sites much faster. The CO₂ footprint has also been reduced significantly”, he adds.

Extended time between renovation cycles with MasterProtect 8000 CI

Another customer testimonial comes from Spain: The Fundació Joan Miró is one of the most exciting museums in Barcelona. Its proximity to the Mediterranean Sea, however, caused serious corrosion damage to the steel-reinforced concrete structures over the years. Instead of relying on conventional repair methods which would have required closing the museum for extended periods of time, Fran Talavera, project manager of the Fundació Joan Miró refurbishment project, opted for a leading product for corrosion protection: MasterProtect 8000 CI from Master Builders Solutions. “Application of MasterProtect 8000 CI was surprisingly easy – with very remarkable results”, Talavera says. At the Fundació Joan Miró, renovation costs remained approximately 60 percent below the costs for a complete refurbishment, and downtime was reduced by 70

percent. Moreover, the effective corrosion protection significantly extended the time between renovation cycles, resulting in additional substantial savings over the service life of the building.

MasterTop 1327-20dB for significant noise reduction at the workplace

A quiet and pleasant office environment is essential for efficient working. In Trondheim, Norway, the investment company Koteng Eiendom AS chose the liquid applied flooring system MasterTop 1327-20dB for the refurbishment of office rooms in its multi-purpose building. “Since the building – and thus the floor – are from 1968, we had to deal with some challenges regarding the sound”, Tom Haarsaker, Manager of the flooring application company Minor Industriplast, remembers. With MasterTop 1327-20dB, the company found the ideal solution for their project. The new flooring system reduces impact noise by up to 20 decibels, is comfortable under foot and will look good throughout its service life. Additionally it offers high durability, low life cycle costs and low material consumption. “This aesthetic flooring solution is suitable for all kind of rooms, producing no waste at all. We used up every cubic inch in the bucket,” Tom Haarsaker says.

These and other examples of more efficient use of resources, an improved life cycle assessment, and significant cost reductions thanks to Master Builders Solutions products for the construction industry are available at:

www.sustainability.master-builders-solutions.basf.com

The campaign is also featured across the industry’s leading trade journals and online portals and will be presented at trade fairs for construction across Europe within 2017.

About Master Builders Solutions from BASF

Master Builders Solutions is BASF's brand of advanced chemical solutions for construction. The Master Builders Solutions brand is built on the experience gained from more than 100 years in the construction industry. The comprehensive portfolio under the Master Builders Solutions brand encompasses lasting solutions for new construction, maintenance, repair and renovation of structures: Concrete admixtures, cement additives, chemical solutions for underground construction, waterproofing solutions, sealants, repair & protection solutions, performance grouts, performance flooring solutions. The Master Builders Solutions brand is backed by a global community of BASF construction experts. To solve our customers' specific construction challenges from conception through to completion 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. Further information at www.master-builders-solutions.basf.com

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 5,500 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 €2.3 billion in 2015.

About BASF

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. The approximately 112,000 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 more than €70 billion in 2015. BASF shares are traded on the stock exchanges in Frankfurt (BAS), London (BFA) and Zurich (BAS). Further information at www.basf.com.