



## News Release

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### **Technology for SLS by Master Builders Solutions<sup>®</sup> revolutionizes concrete screed construction**

- » **10 times shorter construction times thanks to optimal flowability**
- » **Early strength development allows up to 40% faster drying times**
- » **Easy processing and quick application of cementitious underlays**

The traditional cementitious dry-mix screed method is time consuming and cost intensive. The experts of Master Builders Solutions have therefore developed the innovative Technology for SLS that supersedes conventional techniques: it is less time and labor intensive, reduces construction costs and CO<sub>2</sub> emissions and meets the highest quality standards. Application is easy and quick and doesn't require special skills of the applicator.

The screed concrete including the Technology for SLS by Master Builders Solutions allows fast construction progress. It gives the concrete an optimal flowability and prolonged workability. "Therefore, less placing labor is required, when at the same time the quality of the surfaces is improved", explains Tomasz Moskal, Sales Manager Admixture Systems Poland at Master Builders Solutions. With the traditional dry screed mix it takes five workers to lay only 100 to 150 square meters within one day, whereas with the Technology for SLS, a crew of three workers can cover up to 1.000 square meters surface in the same time. In addition to that, the

binder content in the concrete mixture has been optimized and the thickness reduced, lowering the overall CO<sub>2</sub> footprint per square meter by up to 20% when compared to the traditional screed.

The Technology for SLS by Master Builders Solutions is an admixture package based on several specific innovative products: The latest generation superplasticizer MasterEase, which facilitates superior concrete rheology, the shrinkage controlling product MasterLife SLS 200, the high performance micro fibers of the MasterFiber series and MasterKure, curing compounds to maintain concrete's strength requirements and to extend its service life.

Contractors and concrete producers are highly satisfied with the innovative solution. The Polish ready-mix concrete supplier RAK-Bud for example was looking for a novel screed technology for the construction of a complex of modern multi-floor apartments in Białystok, Poland. Together with the team of Master Builders Solutions they have been developing and testing the Technology for SLS. "Using the screed concrete with the innovative technology we are entering a completely new market", explains Radosław Raczkowski, Co-Owner of RAK-BUD Company. "With this new solution the application does neither require additional space on the job-site nor extensive hands-on levelling of the top layer or additional sealing." Adam Sawicki, Contract Director of Jagiellonian Apartments, at RS Budownictwo, sees the main advantage in the faster drying time that enabled a rapid entry for the finishing work already on the second day. „This speeds up the whole construction process and will help us a lot to cope with tight time schedules“, he points out.

The success story of RAK-Bud 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](http://www.sustainability.master-builders-solutions.basf.com)

For more details on the innovative products of Master Builders Solutions, please visit: [www.master-builders-solutions.basf.com](http://www.master-builders-solutions.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 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 Depositary Receipts (BASFY) in the U.S. Further information at [www.basf.com](http://www.basf.com).