

Surface hardening results in x7 times better performance!

The Danish specialist company Murergrej.dk, who focuses on high-end tools for bricklayers, has with great success applied Expanite hardening on some of their tools in austenitic and martensitic stainless steel. "Previously we had problems with our brick joint trowel wearing out too fast, but after surface hardening these with Expanite's technology, test results showed that the tools last 7 times longer" says Murergrej.dk owners Jens Seest Knudsen and Jesper Bruun.

Seeking to extend and improve product performance and at the same time be up front with wear challenges, the innovative Danish company Murergrej.dk experiences great success using Expanite's surface hardening processes on their brick joint trowels in stainless steel.

Brick joint trowel with documented improved wear resistance

The brick joint trowels are specially developed and designed by the danish company Murergrej.dk – since Murergrej.dk began working with Expanite they have expanded their product range with solutions in different stainless steel alloys. Today they produce the brick joint trowel in austenitic AISI316 as well as martensitic AISI420, and tests shows that with the Expanite surface hardening the product performance is improved immensely and trowels now last 7 times longer than the tools without surface hardening. This again means lower costs for the customers who do not have to replace the tool as often as before. "With the tools we have developed after consulting Expanite, we have seen especially good results with the ones made in martensitic stainless steel. Even after hardening, the concerns we initially had on distortion, turned out to be unjustified – we have not experienced any distortion in our tools" Jens Seest Knudsen says.

Professional knowledge sharing and a high level of service

After launching the original brick joint trowel without hardening, Murergrej.dk learned that the tool was worn down too quickly, and they started searching for a surface hardening technology designed for stainless steel. Soon, one of their partners recommended Expanite's hardening technology. Speaking of the corporation with Expanite Jens Seest Knudsen adds: "Throughout the whole process, the Expanite team has been very dedicated and focused on ensuring that we got exactly the solution that suited us and our requirements. Their professional expertise and support gave us security and Expanite always delivered a good job on time – and of course reasonable pricing helped improving the collaboration!"

Exciting projects in the pipeline

At Murergrej.dk they are convinced that their selection of products will be expanded to other products which are already developing, running or planned. New tools are being invented to grow their product range and the strong partnership with Expanite will continue and be strengthened.

About Murergrej.dk

Murergrej.dk started back in 2013 aiming at finding and developing better equipment and tools helping brick builders in their daily work. At Murergrej.dk they find and develop the innovative tools in close cooperation with craftsmen; it all began with a webshop but now they also established a physical shop in Rødding, Denmark.



About Expanite

Expanite was founded in 2010 by leading experts in materials and surface hardening. The company is headquartered in Hillerød near Copenhagen and has treatment centers in the USA, Germany, Korea and China. Expanite's solutions are applicable to all stainless steel types and can be tailored into a customer's own product line as part of a licensing agreement.

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