NESTAAN
dedicated to protect, inspiring to grow

NEW

"SLV Internal LOW GWP"

a sprayed mortar with 68% less CO2 emissions

for "Passive Fire Protection" of building structures.

An unpleasant truth about CO2 emissions of Portland cement production

The absolute bad boy of CO2 emissions in the building industry is the approximately 17% dry weight of Portland cement in a standard ready-mix concrete. Somewhere between 5% and 8% of global CO2 emissions are the result of Portland cement production. It's not just that the Portland cement process is energy intensive, it's also the fuels used. Producing one ton of Portland cement generates nearly a ton of CO2!

As an enabler of sustainable constructions we commit ourselves to do better!

In cooperation with a key partner-manufacturer of "green" cement, we developped an additional fireproofing product range:

SLV Internal LOW GWP (= **G**lobal **W**arming **P**otential)

that **lowers CO2 emissions by 68%,** with equal to superior performance compared to ordinary (CEM I/OPC) cement.The objective is to enable low-carbon construction at scale.

This new product line will contribute to the achievement of world-class environmental certifications, for all types of constructions, including large structures with very specific requirements such as high-rise buildings, airports, hospitals.

This breakthrough solution brings green cities one step closer to reality, fulfilling our ambition to lead in sustainable and innovative building solutions.

With the world's population rising and rapid urbanization, solutions like SLV LOW GWP are critical to enable greener, safer cities and greener, smarter infrastructure, building more with less."

SLV Internal LOW GWP has been tested and approved by an official famous international fire test institute.

Cement type	Total impact (kg CO2 eq/ton)	MKI(€/ton)
Portland CEM I-cement (= the official reference value)	**891**	**61,12**
SLV INT LOW GWP (Nestaan)	**281**	**19,62**

-- 68 %

Good pipeline news

News

SLV Internal LOW GWP (= Global Warming Potential), our new R&D development, has been successfully tested (ETA EN13381p3:2015) with only a thickness of 16.5 mm and a fire resistance of 3 hours !! This performance is aligned with the world's highest PFP-standards of sustainable building certifications.