

## PRESS RELEASE

### Cellar retrofit - in a "in no time" procedure

Cellar retrofit in 4 hours, instead of 4 days with the "Hahne system solution" INTRASIT.

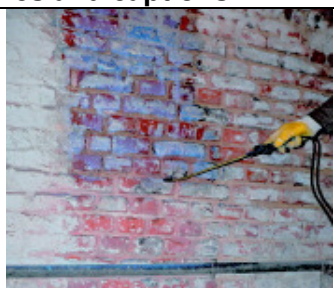



To do cellar retrofits in an easier, faster and safer way, the Heinrich Hahne GmbH & Co.KG developed the INTRASIT RZ- system with HSP technology. In this case it is the combination of special hydraulic binders with highly active pozzolanic binders and the expanded glass granulate PORAVER a pollutant free and thus highly functional retrofit system evolved. The HSP technology in combination with the surface structure and grain form of the lightweight filler PORAVER leads to low-shrinking easy to handle mortar systems with outstanding mechanical properties.

In conventional cellar renovation, after the horizontal damp proof barrier is carried out, a variety of different working steps and the use of a range of different materials are—still necessary. The usual work process, including the intermediate drying times, requires about four working days. When the Hahne system solution "INTRASIT" is used only four hours are needed to achieve the same result. Linked to the substantial improvement in time are significant work facilitations. For example, a plaster surface of 40 m<sup>2</sup> and a coat thickness of 2 cm needs only 520 kg climate plaster. With traditional restoration plaster it would be 1040 kg - 100% more than in INTRASIT RZ2, which also yields a pronounced anti-mold effect.

"First field tests" to further development of the high-quality building protection systems were carried out, among other things, with the restoration work on the former post office of Thurn and Taxis in Lieser in the Middle Moselle under the expert leadership of Mr. Wichmann, executive of the R+D department at the Heinrich Hahne GmbH & Co. KG. In this location requisite exterior, interior and cellar retrofits have been planned and reviewed over the years. The

historical and cultural monument dated back to the year 1517 and is the oldest part of the former postal Court of Thurn and Taxis in Lieser in the Middle Moselle. Until a few years ago the preservation of the building proved to be particularly difficult because the object had been exposed to the Moselle high waters. Because of the new high water protection measures in embankments, floods are a thing of the past. Due to the good experience with the Poraver enhanced renovation products, thermal heat insulation measures like filling in the gaps in the wooden ceiling beams, were done with Poraver-fills.

**Photos, graphics and captions:**

		
<p><b>Working steps during cellar renovation with INTRASIT</b></p> <p>1. Base coat with INTRASIT Aquarol white File name: S03Bild1 Photo: Heinrich Hahne GmbH &amp; Co. KG</p>		
		
<p>2. Sealing of surface with INTRASIT RZ1 File name: S03Bild2 Photo: Heinrich Hahne GmbH &amp; Co. KG</p>		
		
<p>3. Application of climate lightweight plaster INTRASIT RZ2 File names: S03Bild5 and S03Bild3 Photo: Heinrich Hahne GmbH &amp; Co. KG</p>		

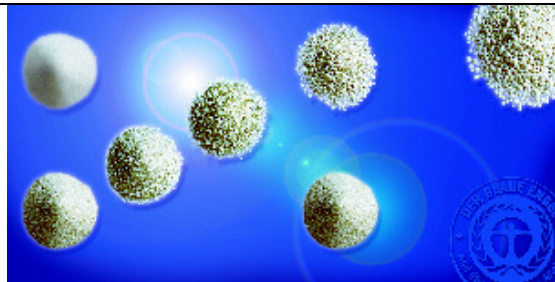


4. Rub-off of the surface of INTRASIT RZ2  
File name: S03Bild4  
Photo: Heinrich Hahne GmbH & Co. KG



The historical and cultural monument dated back to the year 1517 and is the oldest part of the former postal Court of Thurn and Taxis in Lieser in the Middle Moselle. Due to the prudent renovation and careful selection of construction materials, the historic building can withstand today's demands and for the centuries to come.

File name: posthof01  
Photo: Heinrich Hahne GmbH & Co. KG





**What makes the lightweight aggregate Poraver so popular.**

Poraver is the ecologically rewarded lightweight aggregate from 100% recycled glass. It is produced in a special process. The round granulate is used in top quality, free of broken granule particles in diameters of microscopic 0.04 to 16 mm.

The Poraver benefits include very low weight with high compressive strength, excellent heat insulation and sound absorption properties and alkali resistance. In addition, Poraver is non-combustible and does not provide a breeding ground for bacteria. These seamless quality features make Poraver the best lightweight aggregate.

*File name: Kugeln\_neu\_083*

*Photo: Dennert Poraver GmbH*

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