



Consiglio Nazionale delle Ricerche



# CERTIFICATION

of the **seismic behavior factor q** of  
timber buildings  
made with load bearing walls  
“**soligno®-Vollholz-Elemente**”.

This expert statement is to certify that  
buildings up to five floors made by  
“**soligno®-Vollholz-Elemente**”  
load-bearing walls  
complying to DIBt “Allgemeiner bauaufsichtlicher Zulassung Z-9.1-790”,  
with dove-tail spruce lintels,  
used as stabilization support to withstand lateral loads  
and tested according to EN 12512 cyclic testing protocol,  
evaluated according to IVALSA-CNR procedure:  
  
do meet the requirements of medium (DCM) to highly (DCH) dissipative  
structures according to Eurocode 8-2005 and  
of Class B to class A of Italian NTC-2008,  
  
with a related **seismic behavior factor q** ranging from  
**2.5 to 3.0**  
where 2.5 is the characteristic value and 3.0 the average value.

San Michele all’Adige (TN), Italy  
September 13, 2013

*Ario Ceccotti*

Univ. Prof. Dr. Ing. Ario Ceccotti

IVALSA - CNR - IVALSA	
Tit. I.	CI: AMMINISTRAF:
<b>N. 0003194</b>	<b>13/09/2013</b>



**CNR IVALSA**  
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DEL LEGNO E DELLE SPECIE ARBOREE  
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