Testing and assessment of marble and limestone

From 2000-03-01 to 2005-08-31

Project details

<table>
<thead>
<tr>
<th>Total cost:</th>
<th>Topic(s):</th>
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<td>EUR 4 018 772</td>
<td>1.1.3.-5. - RTD Activities of a Generic Nature: materials and their</td>
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<td>production and transformation and new and improved materials and</td>
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<td>production technologies in the steel field</td>
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<td>EU contribution:</td>
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<td>EUR 2 193 617</td>
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<td>Coordinated in:</td>
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<td>Sweden</td>
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Funding scheme:
CSC - Cost-sharing contracts

Objective

All across Europe the long term deformation of marble cladding has resulted in safety and durability problems. This has resulted in increased maintenance costs, and reduced production, exports and employment. The assessments of facades at selected study sites, using monitoring systems, risk assessment and lifetime prediction, will be used to develop hypotheses for the observed deterioration. Repair techniques will be developed for existing buildings, thus reducing maintenance costs for existing problems. Research carried out on a large number of stone types will be used to explain degradation and develop European test methods (CEN/TC 246 Resolution 013/00/1999). The test methods will be used for production control and screening to identify good and deleterious marble and so reduce future damage and promote use of natural stone for cladding, thus improving employment and increasing European competitiveness in this area.

Related information

Result In Brief

New methods to assess marble and stone cladding
How much does your building bow?

Report Summaries

Laboratory test method for irreversible thermal and hydrological properties
Laboratory test method for risk of bowing
Measuring equipment and procedure for facade assessment
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