



REHABEND 2014

Latin American Congress

CONSTRUCTION PATHOLOGY, REHABILITATION TECHNOLOGY AND HERITAGE MANAGEMENT

April 1-4, 2014
Santander - Spain

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REHABEND 2014

***CONSTRUCTION PATHOLOGY, REHABILITATION TECHNOLOGY AND
HERITAGE MANAGEMENT***

(Fifth REHABEND Congress)

Santander (Spain), April 1-4, 2014

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ISBN: 978-84-606-6738-4 (book of abstracts)

ISSN: 2386-8198 (print)

Legal deposit: SA - 132 - 2014

Printed in Spain by Gráficas Iguña, S.A.

Photograph of cover belongs to the Santa María Cathedral Foundation - Quintas Fotógrafos -

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CODE: 2.2.04**SCHIST BUILDINGS IN PESO DA RÉGUA COUNTY**

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KEYWORDS: Schist, traditional building, rehabilitation, wall.

ABSTRACT

Schist stone is a traditional building material applied in the Peso da Régua County. This County is located in the Northeast part of Portugal related to the Douro region which is UNESCO World Heritage. Dwellings, earth retaining walls and fencings are the most common constructions built with this type of material. They are vernacular constructions which are very well integrated in the local landscape and its maintenance is important to perform. Thus, a set of building details concerning schist dwelling was surveyed in this research work. This paper intends to disseminate the obtained information, in particular, some structural buildings details. In the structural context, schist masonry walls are the main vertical structural elements. Taking into account that the size, the existence of openings (e.g. window or door), the type of corner and the type of lintel of the openings are some building aspects which may influence the structural behaviour of a traditional masonry schist wall, they are highlighted. We believe that this technical information may give some guidance in future studies focused on modelling (numerically and experimentally) the structural behaviour of this type of traditional building element.