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English version

Design, preparation and application of internal polymer
plastering systems

Planung, Zubereitung und Ausführung von
Kunsthazinnenputzsystemen

This Technical Report was approved by CEN on 13 May 2005. It has been drawn up by the Technical Committee CEN/TC 125.

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Foreword

This document (CEN/TR 15123:2005) has been prepared by Technical Committee CEN/TC 125 "Masonry", the secretariat of which is held by BSI.

This document has been initially prepared by the European section of International Union of Contractors of Plastering, Dry Lining, Stucco and Related Activities (UIEP) at the request of the CEN Technical Sector Board (Resolution No.BTS1/56/1991). It has been revised by CEN/TC 125/JWG5 in conjunction with CEN/TC 241. The CEN technical report gives in different sections guidance for building details, design and materials considerations and the application of polymer plasters. Relevant data are summarized in a series of tables. The recommendations are framed in logical sequence, namely materials and accessories; properties of backgrounds that influence the choice of suitable polymer plastering systems; guidance on preparation of surfaces to be plastered; choice of suitable polymer plasters; methods of application. It is essential that the design clauses are read in conjunction with the clauses on background and preparation.

It is not the function of this document to assign responsibility for the design and application of any work or actions mentioned within to any specific party. Such responsibility is a matter for other documentation associated with the work, e.g. the contract.

It has been assumed in the drafting of this document that the application of its provisions is entrusted to appropriately qualified and experienced people, for whose guidance it has been prepared.

This TR should be read in conjunction with EN 13914-2.

The following similar Technical Reports are also available:-

CEN/TR 15124:2005 *Design, preparation and application of internal gypsum plastering systems*

CEN/TR 15125:2005 *Design, preparation and application of internal cement and/or lime plastering systems*

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this Technical Report: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This document concerns the design, preparation and application of plaster with polymer as the principal binder type, for internal plastering on all types of background used under normal conditions. It includes plastering onto both new and old backgrounds and the maintenance and repair of existing work. It concerns materials, backgrounds, preparation of the surface to be plastered, choice of suitable polymer plasters, methods of application and inspection and testing of plastering.

Because of the many and varied materials and practices in Europe it is not possible for certain aspects of the standard to enter into sufficient detail to be fully usable to practitioners in each country.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

2.1

polymer plaster

plaster with polymer as the principle active binding component. Additives, fillers and aggregates may be added by the manufacturer. The plaster can be delivered as a powder or ready-to-use

2.2

polymer plaster coat

obtained by application of one layer of the product

2.3

polymer plastering system

polymer plaster coat or sequence of coats to be applied to a background to achieve the required flatness and smoothness, including the possible use of a support and/or reinforcement and/or pretreatment

2.4

one coat polymer plaster

polymer plaster applied in one coat which fulfils all the functions of an undercoat and a final coat

2.5

undercoat

lower plaster coat(s) of a plastering system which needs a final coat

2.6

final coat

last plaster coat of a multi-coat plastering system

2.7

efflorescence

formation of crystals on a surface during drying caused by the presence of soluble salts

3 Materials and accessories

3.1 General plasters

3.1.1 General

Where applicable the polymer plaster should conform to prEN 14023. They should be classified in accordance with EN 13501-1 for reaction to fire.