

# WEBLAB - SCHEDA DOCUMENTO N° 114

terotec

TIPO DI DOCUMENTO:

**ATTI DI CONVEGNO**

TITOLO:

**La gestione della durabilità nel processo edilizio**

SOTTOTITOLO:

**Management of durability in the building process**

AUTORE:

Cognome, Nome / Ente / AA VV:

AUTORE (A CURA DI):

Cognome, Nome / Ente / AA VV:

**Politecnico di Milano Dip. BEST**

DATI EDIZIONE:

Anno di pubblicazione:

**2003**

Editore:

**Politecnico di Milano Dip. BEST**

Luogo di edizione:

**Milano**

N° pagg.:

PAROLE CHIAVE:

Parola chiave1:

**processo edilizio**

Parola chiave2:

**durabilità**

Parola chiave3:

**normativa**

Parola chiave4:

**Nel Seminario europeo sono stati presentati i principali risultati di ricerca nazionale e internazionale di carattere metodologico e sperimentale sul tema della "Valutazione di durabilità dei componenti edilizi", coinvolgendo i gruppi internazionali di ricerca (CIB - International Council for Research and Innovation in Building and Construction) e di lavoro normativo (ISO - International Organization for Standardization) da anni attivi sul tema della durabilità dei componenti edilizi. Il nuovo gruppo di lavoro UNI sulla "Valutazione della durabilità dei componenti edilizi" della commissione UNI "Processo edilizio" ha fornito informazioni circa l'evoluzione della Normativa Tecnica Nazionale al riguardo. Negli interventi sono stati analizzati inoltre gli aspetti innovativi introdotti con le norme internazionali relative alla stima della Service Life Planning (ISO 15686), relativi alla previsione di durata dei componenti e degli edifici in fase di progettazione dell'intervento e di programmazione della manutenzione.**



© - Centro Documentazione Terotec - tutti i diritti riservati

Laboratorio per l'Innovazione della Manutenzione e della Gestione dei Patrimoni Urbani e Immobiliari

Viale Giulio Cesare 14 00192 Roma tel. +39 063610695 +39 063230130 fax +39 063610756 terotec@terotec.it www.terotec.it

# MANAGEMENT of DURABILITY in the BUILDING PROCESS

La Gestione della Durabilità nel Processo Edilizio



Dipartimento di Scienza e Tecnologie dell'Ambiente Costruito  
Building Environment Science & Technology - BEST



in collaboration with

International Workshop  
Aula Rogers - Politecnico di Milano  
Milan  
25 - 26 June 2003



International Council for Research  
and Innovation in Building and Construction



Scuola Universitaria Professionale  
della Svizzera Italiana - SUPSI



International Organization for Standardization



Consiglio Nazionale delle Ricerche - ITC



Regione Lombardia

Ente Nazionale Italiano di Unificazione



laboratorio per l'innovazione  
della manutenzione e della gestione  
dei patrimoni urbani e immobiliari



Associazione Italiana Produttori  
Pannelli Elementi Grecati

## HOME

MDBP •	scientific committee
MDBP •	sessions & papers
MDBP •	dbcgroup info

## Abstracts

- 1 - Methodological Development And Experimental Evaluation Of Discontinuous Roofing Durability- Alaimo Giuseppe
- 2 - Maintenance plan of the building and its parts is subjected to the durability of building components - Auteri Maci, Enzo Livio
- 3 - Ex post durability evaluation of building components. The case study of the "Nuovo Palazzo di Giustizia" in Naples - Battista Claudio
- 4 - Influence of temperature and humidity and resistivity of concrete and corrosion rate of embedded steel - Bertolini Luca, Carsana Maddalena, Gastaldi Matteo, Redaelli Elena
- 5 - Lightweight selfcompacting mortar for the repair of reinforced concrete structures - Bertolini Luca, Carsana Maddalena, Gastaldi Matteo
- 6 - Business process reengineering and value analysis: tools for durability? - Costantini Maurizio, Cassaro Francesca
- 7 - Assessment of materials for concrete surface based on cracking and debonding risk factors - Dal Bo' A. Gasparoli P. Bettost F. Brega C.
- 8 - The designers approach to durability - Dal Zio Emma Garau Giorgio Paparella Rossana
- 9 - Normative approach to durability evaluation of products and systems for concrete protection and repair - Dessa Paola, Nironi Laura
- 10 - Dealing with Durability in the Building process Evaluation criteria of durability of new materials in buildings components - Ferrari Giacomo
- 12 - Experimental Evaluation Of The Efficacy Of Cleaning Methodologies For Low Porosity Natural Stones - Gasparoli P., Toniolo L., Vigano C., Voltolin K.
- 13 - Factory made dry rendering mortars: characterization and artificial weathering - Gasparoli P. Jornet A. Corsi P. Della Vite F.
- 14 - The durability and choices of the project. From the preliminary plan to executive plan - Laganà Renato
- 15 - A predictive model for the future deterioration of building elements used in a decision making tool for long term investment strategies - Lair Jerome, Bauer Manuel, Wetzel Christian
- 16 - Failure mode effect and criticality analysis to improve the quality of building products and processes - Lair Jerome, Talon Arelie
- 17 - Durability or building components after the useful life of a building: reuse of recycling of materials/components - Lassandro Paola
- 18 - Evaluation of flat roof reliability - Lauria Massimo
- 19 - Durability, analysis risk and maintenance choice in a sustainable building process - Morra Luigi, Ferro Enrico
- 20 - Seven years' outdoor exposure test of tile finishing walls by using organic adhesives - Motohashi Kenji
- 21 - Durability evaluation for repair work on reinforced concrete components - Nerva Riccardo Vancetti Roberto Frigeri Giuliano Teruzzi Tiziano
- 22 - The checkout and acceptance planes of the quality of the building manufactures as instrument for the durability control in the production and construction stages - Ossola Francesco Manzone Fabio
- 23 - Anticorrosion repair and prevention systems for reinforced concrete structures: effectiveness and durability - Perrone Luigi
- 24 - Service Life and LCC assessment. The use of FMEA as design tool - Pollo Riccardo
- 25 - Durability design of ventilated wall system of building envelope - Riva Gianna
- 26 - Durability and project in unusual contexts. The construction of new homes in the Aeolian Islands using traditional techniques - Rodonò Umberto, Caponetto Rossella, Ferro Vincenzo
- 27 - Building recovery with a view to duration - Zennaro Pietro
- 28 - Risk analysis using Factor method - Teply Bretislav Kersner Z. Rovnanikova P.
- 29 - Modifying factors of a method for estimating service life - De Pascale Alba
- 30 - Social Housing in Buenos Aires: Design and Durability - Dunowicz Renée Amarilla, Beatriz Hasse Rodolfo
- 31 - The project for durability in the interventions of restoration: the compatibility of the materials, technological integration, planned maintenance - Guida Antonella, Mecca Ippolita
- 32 - Durability control of ceramic facing with non destructive diagnostic testing - Copparoni Stefania, Gagliardi Roberto, Principi Paolo
- 33 - Monitoring of wooden elements reinforced with FRP by fiber optic sensors - De Grassi Mario, Lemma Massimo, Naticchia Berardo
- 34 - Quality control and programmed maintenance of ventilated wall facings: pathologies surveying with laser vibrometry - Copparoni Stefania De Grassi Mario, Esposito Enrico, Tomasini E.P.
- 35 - Designing for durability: the design of the 3rd lot of the new building of the University of Basilicata in Potenza - Lembo Filiberto
- 36 - A methodological hypothesis for estimating service life - Nicollera Maurizio
- 37 - Don't design this way, in you want to ensure durability: the project and realization of the 1st lot - the "heavy" laboratories of the University Faculty of Engineering in the new building of the University of Basilicata in Potenza - Marino Francesco Paolo
- 38 - The evaluation of building components service life to plan maintenance activities - Russo Maria Gabriella
- 39 - Time dependent Chloride Migration Coefficient of Concrete as input to a probabilistic service life model - Lay Sascha
- 40 - Engineering design methods for service life planning - state of the art - Moser Konrad
- 41 - Corrosion of Cement and Concrete - Methods of testing and evaluation - Raado Lembi, Merike Hain Tiina
- 42 - Sustaining the future through durability and service life planning - Wyatt D.P.
- 43 - A study on the service life of the FRP strengthening systems to plan a maintenance strategy - Desiderio Patrizia
- 44 - Durability of building components: a prevention and service evaluation model - Copparoni Stefania, Gagliardi Roberto
- 45 - Effect on Interventions on Structural Reliability of Existing Structures - Peter Schiebel Ch. Gehlen G. Pabsch
- 46 - Tools for the evaluation of sustainability and considerations concerning durability. State of the art and proposals - Giacomo Marchiori, Luca Pietro Gattoni
- 47 - On durability of FRP in aggressive environments - Ferdinando S. Rostasy
- 48 - Durability and Use. What Strategy can be Adopted in a Design Project - Manfron Vittorio
- 49 - Deco paints life for exterior use: interaction of the environment on the paints life - Flavio Visioli
- 50 - Prediction of the Service Life of Brick/Stone Masonry Subjected to Salt Crystallisation: Application of a Stochastic Model - Garavaglia Elsa, Binda Luigia, Cardani G.
- 51 - The value of thinking Whole Life throughout the Building Process - Barlett Ed Rizzi Federico McAllister Isabel
- 52 - Development of prescriptive documents for a performance-based durability in building codes - Benge Claire
- 53 - The organic coil coated galvanized steel (preprinted), an example of high durability material in the building application - Donati G.
- 54 - Performances di durabilità dell'acciaio inossidabile colorato per l'edilizia - Colaiacovo Ferdinando
- 55 - Environmental durability of building - Mollo Luigi
- 56 - To Know And Assess Quality In Order To Influence Durability - De Martino Giuseppe
- 57 - A newcomer depreciation method: the decay exponential model for building - Tiso Angelo Malavè R. Anzola E. Echeverria M. Figuera R. Reyes S.
- 58 - Durability Of Concrete Component Made With Recycled Aggregate - Bassan Mario, Basilico Vittorio
- 59 - Implementing the factor method for service life estimation using weighted-factor - Cusmano Giacomo, Lucchini Angelo

- 60 - Design for Durability: proposal of design strategies, technical guidance and examples - Cusmano Giacomo, Lucchini Angelo  
61 - Long\_Term degradation under outdoor exposure conditions - Daniotti Bruno, Iacono Paolo  
62 - The durability of exterior emulsion paint - Melzi Mario  
63 - "Performance limits method" (PLM)" A new way to service life prediction - Re Cecconi Fulvio, Iacono Paolo  
64 - Decay of functional performances of an external wall subjected to accelerated, artificial weathering under in-use conditions - Teruzzi Tiziano, Jornet Albert  
65 - Maintainability of buildings in the tropics - Chew M Y L, De Silva Nayanthara, Tan S S  
66 - Service life planning: further developing of the factor method - Re Cecconi Fulvio  
67 - The durability evaluation for self-supporting light weight composite panels - Daniotti Bruno, Bonati Antonio, Fiameni Cristiano  
68 - With Luxury and abundance towards sustainable buildings - Deilmann Clemens  
69 - A research program for the durability of building components: the experimental application on external walls - Maggi Pietro Natale  
70 - Building Pathology Forum: An Environment Supporting Design For Durability And Failure Prevention And The Planning Of Maintenance Activities - Enrico De Angelis, Sergio Croce, Matteo Fiori, Simona D'Ascola  
71 - Chloride penetration into concrete exposed to marine environment in temperate climate - Borsa Massimo  
72 - Service Life Planning to reach Life Cycle Cost Analysis in Building Process - Rigamonti Giuseppe  
73 - Assessment of the durability of FRP wraps applied on the upper surface of artistic "plaster and reeds" vaults - D'Orazio, Stazi Alessandro, Quagliarini Enrico  
74 - The Etna Lava Stone, according to the prospect of sustainable development in Eastern Sicily Architecture - Lombardo Grazia  
75 - Design, Quality and Durability of Buildings - Curcio Silvano  
76 - Design-Phase Maintenance Information System - Dell'Osso G.R., De Luca G., Langmann A.

## INDEX