Advanced Pavement Systems

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# STABIL-tec® / mod

## TECHNOLOGY FOR SELF-COMPACTING, VOLUME STABLE, ANTI-CORROSION MICRO-CONCRETE WITH EXCELLENT RESISTANCES, AESTHETICS AND DURABILITY

**Description** The technology STABIL-tec®/mod allow obtaining micro-concrete with high volumetric stability. It is basically composed out of four fundamental components:

**A) BS 40 M6 /mod (N°...) MuCis®**

Compound powder made from selected cements and additives aimed at volumetric and chemical-physical stability. The formulations differ with different numbers in parentheses.
Contains migration and contact corrosion inhibitors MuCis®.

**B) Tecnos® *azur* CB (N°...)**

Poly-carboxylate Super-plasticizer of IV° generation with very high capacity to reduce the water/cement ratio and with high reo-dynamic properties. The formulations differ with the abbreviations in between brackets.

**C) SHRINKO-tec® nano (N°...)**

Nanotechnology formulated to reduce drying and endogenous shrinkage.
The formulations differ by the number in between brackets.

**D) FIB-energy®**

- **MC:** Polymer fibres with very high elastic modulus and tensile strength, diversified by diameter and length.
- **ST/HS:** Steel fibres with very high tensile strength, diversified by diameter and length.

**Advantages/Use** Obtaining self-levelling, self-compacting concrete with slight initial targeted expansion (with ratio Water/Compound of 0.28÷0.32), with subsequent volumetric stability.

High mechanical strength, migrating and contact anti-corrosion functionality. For manufacturing thin section façade elements.

At the service of the needs and choices in architectural design, possible aesthetic and chromatic solutions "ad hoc" along with exposed surfaces as such or after sanding. The recipes also differ depending on the particular environmental exposures and the use. Technology STABIL-tec®/mod also perform as floor screeds or slabs of reinforced concrete, with high performance in adhesion, wear resistance, volume stability and durability in time.

**Method of use** The four components

**A)** 400÷600 Kg/m$^3$ Powder
**B)** 12÷18 Kg/m$^3$ Liquid
**C)** 4÷6 Kg/m$^3$ Liquid
**D)** 2÷8 Kg/m$^3$ Fibre

are used together with the **selected local aggregates** with particle size of 0÷4 mm to 0÷16 mm, in a ratio of about 1.350÷1.800 Kg./m$^3$ c.ca.

**Technical Assistance** The U.A.P.P. office – Office for Promotion and Assistance in Projects is available for designers, contractors and applicators for assistance "From the Project to Jobsite".





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