

XXIII UIA WORLD CONGRESS
OF ARCHITECTURE
TORINO 2008

COMPETITION
INFO POINT

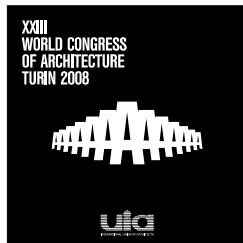
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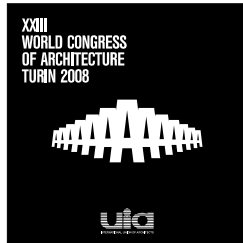
Competition for architects under 35

***SUGGESTED
MATERIALS***



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I. **WEBER – www.netweber.com**

1 **weber.color range**

1.1. weber.color premium and weber.color decor belong to the new range of grouts, based on the new Active Planar Weber technology: premixed cement-based grouts in powder, for indoors, outdoors, on walls and floors wherever a smooth finish is required, water resistant and U.V. stable.

2 **weber.col progres 400**

2.1. Laying of indoor and outdoor floor and wall tiles, even for overlaying, of non-absorbent material and natural stone substrates, weber.col progress 400 of Saint-Gobain Weber is a high performance tile fixing with mixed bonding agents, specific for gres, classified as EN 12004 – C2TE.

3 **weber.cote action range**

3.1. Coloured siloxanic finishings for protecting and decorating outdoor and indoor surfaces for all type of buildings, resistant to chemical and atmospheric agents and smog, available in a wide range of light-stable colours, To be applied after siloxanic primer weber.prim RC 14 of Saint-Gobain Weber, giving to façade a durable high protection and balanced permeability to water vapour. Compatible with restoration plasters (the two paints) and with new external thermal insulation weber.therm systems of Saint-Gobain Weber, to save energy by warming houses with appropriate solutions in order to get maximum comfort to people.

4 **weber calce range**

4.1. Mineral range of products based on hydraulic natural lime without any cement, for outdoor and indoor surfaces for all type of buildings, ancient and modern ones, it belongs to Terranova historical Italian tradition for plasters.

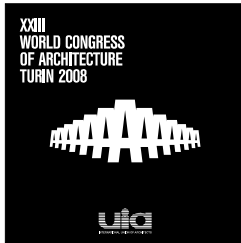
5 **fermadry flex**

5.1. Waterproof dual component elasto-cementitious coating, excellent flexibility, pre-batched dual component, fermadry flex of Saint-Gobain Weber, after drying process reaches 0,9 N/sq.mms in terms of adhesion to concrete; it allows the application and adhesion of tiles with a single-component bonding agent. Consumption: 1,6 kgs/sq.mts.

6 **weber.cem RS 350**

6.1. Finishing and levelling coat for traditional or premixed plasters with weber.cem RS 350 of Saint-Gobain Weber, white and grey versions for indoors or outdoors in both old and new constructions, to apply and finish by hand in 2 or more coats, it offers an excellent adhesion even on cured plaster. Consumption: 2.5 kgs/sq.mts per coat (2 mms thickness); bending resistance to be at least 1,3 N/sq.mms; adhesion to substrate to be at least 0,5 N/sq.mms.

7 **massetto MR 80**

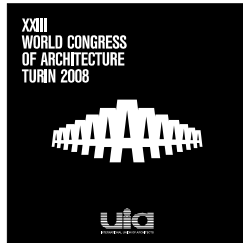


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7.1. Premixed cementitious screed for external and internal use, fast hardening and drying, massetto MR 80 of Saint-Gobain Weber, classified as EN 13813 - A1fl-C40-F7, is ready-to-use after mixing with water. Compression resistance after 48 hours: 30 N/sq.mms; residual humidity being not more than 2,0%.



II. **ISOVER** - www.isover.it

8 **EXTRAWALL - EXTRAWALL VV**

8.1. Big dimension self-supporting panel made by using water-repellent glass wool treated with special thermo-hardening resins, faced on one side with a wired aluminium kraft paper and, on the other side, with a glass mat (Extrawall) or faced on both sides with a glass mat (Extrawall VV).

8.2. MAIN USE

a. Thermal and acoustic insulation of cavity walls.

9 **PAR**

9.1. Rolled panel made by using water-repellent glass wool treated with special thermohardening resins, faced on one side with a glass mat.

9.2. MAIN USE

9.3. Acoustic insulation of partition walls made by gypsum boards.

10 **IBR K - IBR N**

10.1. Felt made by using water-repellent glass wool treated with special thermo-hardening resins. It is manufactured in two versions:

a. - IBR N: nude (IBR N);

b. - IBR Kraft: faced on one side with bituminized kraft paper as vapour screen. (IBR K)

10.2. MAIN USE

a. Thermal and acoustical insulation of residential roofs

11 **EKOSOL N**

11.1. Panel made by using water-repellent glass wool treated with special thermo-hardening resins.

11.2. MAIN USE

a. Acoustical insulation of impact noises for floors (floating floors)

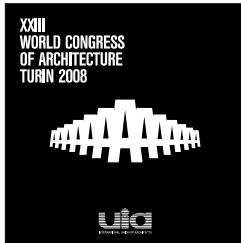
12 **BAC 2000 HP e BAC 2000 HP N**

12.1. High density panel made by using water-repellent glass wool treated with special thermohardening resins, with or without facing consisting in a bitumen layer with a glass mat reinforcement and finished with a polypropylene film.

12.2. Available in the following versions:

a. - BAC 2000 HP: faced

b. - BAC 2000 HP N: nude



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12.3. MAIN USE

- a. Thermal and acoustical insulation:
- b. - External insulation of flat roofs not subjected to heavy loads.
- c. - External insulation of walls and floors

13 All Isover products are manufactured using more than 80 % of recycled glass and the other 20 % derived from raw materials of natural origin



III. **BPB Italia - www.bpbitalia.it**

14 PERLISOL

14.1. Pre-mix plaster based on expanded perlite, Portland cement and special additives.

14.2. It is incombustible, rot-proof, not degradable over time, free from gas emissions, and therefore can be considered a san ecological product.

14.3. Perlisol is suitable for thermal and acoustical insulation of floor and roof concrete slabs, even if sloped. It can also be used for the thermal insulation of cavity brick walls during installation.

15 IGNIVER- Fire protection plaster

15.1. Pre-mix plaster based on gypsum vermiculite, special binders and additives. The product is fibre-free.

15.2. Igniver is used for fire protection of steel, reinforced concrete and brick structures, as well as metal pipes.

15.3. Many laboratory tests confirm the possibility of using Igniver in different applications.

15.4. Due to its composition Igniver is included in the list of insulating plasters used for fire protection of steel structures as per Italian Ministerial Decree D.M.16/02/07.

15.5. The product is normally applied in interiors, but a modified formula is available for external uses.

16 SAD5

16.1. Separating wall system, providing a high sound insulation ($R_w=65.5$ dB) with a total thickness of just 23.5 cm.

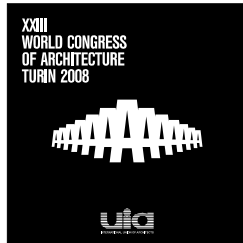
16.2. SAD5 comprises a double 75mm metal framework with studs at 60 cm centres and staggered to each other, and a double layer of BPB plasterboards on both sides. The cavity contains a special high density board Rigidur and glass wool thermal insulation.

16.3. This wall system ensures a good mechanical and anti-attack resistance, maintaining its high sound insulation performances even if fixtures are installed in the cavity. It also meets the 0.8 W/m²K thermal transmittance as required by the Italian Law by decree No. 311/06.

16.4. The drywall constructions can be finished using paintings, wallpapers and ceramic tiles, or skimmed with Rasocote 5 plaster to achieve an excellent aesthetical look.

17 SA 125/75

17.1. Separating wall system, providing high mechanical, sound insulation and aesthetical performances.



17.2. SA 125/75 comprises a 75mm metal framework with studs at 60 cm centres, a double layer of BPB plasterboards on both sides and glass wool thermal insulation fully filling the cavity.

17.3. The plasterboards in SA 125/75 can vary based on the performances required. Standard boards are used in normal cases, moisture resistant types for bathrooms and kitchens, fire resistant types for special fire protection applications.

17.4. The metal studs are normally installed at 60 cm centres, but their distance can be reduced to increase the mechanical resistance of the wall or in case of particularly high constructions.

17.5. The drywall constructions can be finished using paintings, wallpapers and ceramic tiles, or skimmed with Rasocote 5 plaster to achieve an excellent aesthetical look.

18 GYPTONE

18.1. The Gyptone range comprises tiles, boards and planks for ceiling applications, providing unrivalled aesthetical look and acoustical performances. These products are used for high level applications in interiors.

18.2. Gyptone products are suitable for use in new construction and renovation, i.e. hotel, leisure, school, commercial buildings, or common areas of residential buildings.

18.3. Some perforated designs, i.e. Quattro, Point, Line and Sixto ensure very high sound absorption performances at all frequencies. The exposed face of Gyptone tiles and planks is factory painted in white colour. The quality and uniformity in painting allow to achieve excellent brightness and light reflection.

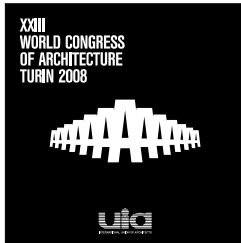
19 RASOCOTE 5

19.1. Finishing plaster, based on hemihydrate gypsum, lime hydrate, calcareous inert materials and special additives. It is hand applied in interiors, enabling to achieve a mirror-like finish. The recommended thickness of the plaster coat is from 1 to 3 mm.

19.2. Only water based painting can be used on Rasocote 5.

19.3. Due to its biocompatibility characteristics, the product belongs to the Ecovic range of finishing and undercoat gypsum plasters, certified as environmentally compatible products by the Polytechnic University of Milan.

20 All BPB products and systems are manufactured using a process with low environmental impact, and raw materials of natural origin posing no risk to health.



IV. **Saint Gobain Glass - www.saint-gobain-glass.com/it**

21 1. SGG STADIP BIOCLEAN 55.1

21.1. Laminated self-cleaning glass

21.2. Quantity: max 60 m²

21.3. Description

a. SGG STADIP BIOCLEAN is a safety laminated dual-action self-cleaning glass manufactured by depositing a transparent coating of hydrophilic and photocatalytic mineral material onto clear glass.

b. This self-cleaning glass harnesses the power of UV rays present in daylight and rain to efficiently combat dirt and grime that accumulates on the outside of windows:

1. Exposure to UV rays triggers the decomposition of organic dirt and causes the surface of the glass to turn hydrophilic
2. Rain (or water) forms a sheet of water across the glass and rinses away the broken-down organic dirt and mineral materials.

21.4. Applications

a. SGG STADIP BIOCLEAN has been designed for external use, such as windows and external doors, glazed façades, external shopfronts, etc.

22 2. SGG STADIP PLANISTAR 44.2 SILENCE

22.1. Acoustic pvb laminated safety solar control low-emissivity glass

22.2. Quantity: max 60 m²

22.3. Description

a. SGG STADIP PLANISTAR 44.2 SILENCE is an acoustic pvb laminated safety solar control low-emissivity glass manufactured by depositing a selective (solar control and low-emissivity) coating of metallic oxides onto clear glass.

22.4. Applications

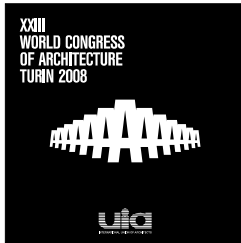
a. Offices and commercial buildings, hotels and restaurants, window and traditional facades, etc.

23 Recommendations for transformation and installation

23.1. SGG STADIP BIOCLEAN and SGG STADIP PLANISTAR 44.2 SILENCE have to be assembled in a double-glazing unit SGG CLIMAPLUS.

a. Composition:

1. External pane SGG STADIP BIOCLEAN – clean coating position face 1
2. 16 mm spacer bar - Argon filled cavity
3. Internal pane SGG STADIP PLANISTAR 44.2 SILENCE – selective coating position face 3



23.2. The double-glazing unit SGG CLIMAPLUS cannot be tempered or curved. No holes.

23.3. DGU characteristics and performance

- a.* Thickness: 34 mm
- b.* Weight: 47 kg/m²
- c.* Minimum size: 60 x 60 cm
- d.* Maximum size: 105 x 290 cm
- e.* Light transmission: 65%
- f.* External light reflection: 15%
- g.* Solar factor g: 0,45
- h.* Ug value W/(m² K): 1.1
- i.* Installation: in a frame system, in accordance with current Italian regulation and good practice.

24 Standards and regulations

24.1. SGG CLIMAPLUS double-glazed unit composed as described meets Italian laws and standard, such as:

- a.* 7697 UNI-EN12600 (safety),
- b.* D.Lgs. 447 (acoustic),
- c.* D.Lgs. 192 and 311/06 (thermal requirements for energy saving).