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GeoMITS



GEPOLYMER DRAINING SYSTEMS: PERFORMANCE FLOORING FOR POOLS AND WET ZONES

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OUTLINE

GeoMITS and NEOGEO introduction

MINERAL DRAINING Geopolymer flooring

Final Properties

Promotional videos

Application cases



GeoMITS

MATERIAL INNOVATION TECHNOLOGY SERVICE

GeoMITS is focalized on :

Consulting, R&D and supplying about Geopolymer binders (precursors and liquid hardeners, through Italian industrial partner supplier, INGESSIL) for several applications

Customizing of automatic mixing plants (mobile and fixed central beton) for production from laboratory to industrial scale

360° Service about designing of final geopolymer recipes included choice of the best partially reactive aggregate curve. Intermediation between clients and aggregate suppliers



NEOGEO

NEOGEO is a spin-off company of SCENIC UP, with experience in projects for Zaha Hadid, Gucci, Prada, and MAXXI.

Active in the **pool & wellness** sector, focused on **innovation and advanced materials** (draining floorings using GP recipes).

Offers an eco-friendly alternative to traditional **biopools** (PVC and resin), which need high maintenance and chemicals.

Uses **Natural Mineral Technology**, waterproofing the ground **without synthetic or organic materials**.

DRAINING GP FLOORING

FROM LABORATORY TO JOB SITE



GeoMITS FEASIBILITY AND R&D TRIALS

NEOGEO INDUSTRIAL TESTING

 GeoMITS

 neogeo

DRAINING GP FLOORING

PATENT PENDING SWIMMING POOL SYSTEM

POOL REALIZED WITH IDROCON® GLASS FIBER REINFORCED MORTAR AT THE LOWEST THICKNESS POSSIBLE (around 2 cm)

DRAINING GP FLOORING (OPC FREE, EPOXY / PU FREE)
100% MINERAL BASED, NATURAL AESTHETICS

HIGH DURABILITY (WATER RESISTANT, HIGH PERMEABLE AND ACID RESISTANT)

RESISTANT ABOUT BIO-GROWING (ALGAE AND BACTERIA)

VOC FREE

DRAINING GP FLOORING



Promotional Video shared on LinkedIn

DRAINING GP FLOORING



RHEOLOGY

- HUMID EARTH CONSISTENCY
- MANAGEABLE WORKABILITY (HARDENING TIME 1 – 3h USING MINERAL ACCELERANT ADDITION DEPENDING ON SEASON)
- EASY TO SHAPE
- HIGHLY PERMEABLE DUE PARTICLES SIZE SELECTION

MECHANICAL PROPERTIES

ROOM TEMPERATURE HARDENING:

48 h: F= 4,1 MPa C= 16 MPa

7 d: F= 4,8 MPa C= 18 MPa

28 d: F= 5,2 MPa C= 19,5 MPa

28 d (water curing): F= 5 MPa C= 20,5 MPa

DENSITY: 1,82- 1,92 g/cm³

DRAINING GP FLOORING



PATENT PENDING DRAINING SYSTEM

- NO CHLORIDE ACID NEEDED FOR WATER SANITATION
- SANITATION OBTAINED THANKS TO NATURAL FILTER COMPOSED BY GEOPOLYMER DRAINING MATERIAL, SELECTED AND GRADED NATURAL AGGREGATES AND OZONO GAS TREATMENT
- WARM TEMPERATURE OF THE WATER WITHOUT ALGAE AND BIO-ORGANISMS GROWING
- 100% MADE IN ITALY TECHNOLOGY

DRAINING GP FLOORING

REAL CASE: VILLA CLOSE TO GARDA LAKE



THANKS FOR THE KIND ATTENTION



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