Technical description – Spray RAL & Spray Granit

Our gel coated synthetic stone elements are made of calcium carbonate in the form of a filler bound by polyester resin and covered with the polyester gel coating ISO NPG (Isophthalic Neo Pentyl Glycol).

- Flexural strength (ISO standard 178): minimum 28 MPa
- Elongation at break (ISO standard 178): 0.18 to 0.25%
- Flexural modulus (ISO standard178): 14,000 to 18,000 MPa
- Compressive strength: minimum 70 MPa
- Resistance to shocks: No break at a drop height of 2.2 m of a 1 kg ball
- Gelosity: non-freezing
- Density: 2.0 to 2.2 kg/dm³
- Absorption of water at room temperature: < 0.5%
- Absorption of water at 65°C: < 0.5%
- Chemical resistance
    - Acids 10%: Good
    - Bases 10%: Good
    - Non-concentrated chemical agents: Good

  Serious degradation observed in the presence of methylene chloride (dichloromethane)
- Reaction to fire:
    - The reaction to fire test (Standard NF P 92-501) classifies our product in the category: M2
    - The fire behaviour test, with regard to measurement of the specific optical density of smoke, (Standard NF X 07-100) classifies our product in the category: F0
- Higher heating value (Standard NF En ISO 05-010): 6.937 MJ/kg
- Slip resistance (Standard XP P 05-010): PN 12 to PN 24 (depending on the surface treatment)