



### Herculan IG 381

Solvent-free, decorative, visco-elastic, self-levelling, duo-tonic, polyurethane system for concrete, cementitious screed, anhydrite surfaces, steel, etc.

**Herculan IG 381** is a solvent free, seamless, decorative, self-levelling, polyurethane system. It provides a decorative, impermeable, durable and easy-to-maintain, flooring system with a glossy, silk-glossy or matt appearance. With the use of multiple colors, mixed together, it creates a "concrete look-alike" surface. An aesthetical floor covering, which can be applied in various branches of the public, domestic and shipping sector, shops, offices etc and it can be delivered in a large range of colors and designs.

Due to the usage of solvent-free synthetic resins, the materials used are environment friendly.

The **Herculan IG 381** system creates a non-porous, flat surface, with an aesthetical appearance.

It can be applied on concrete, cementitious screed, anhydrite surfaces, steel, etc.

All **Herculan IG** systems are easy to maintain and can be resurfaced when required.





**Type of System**

Multi functional decorative self-levelling smooth flooring system.

**Aim**

Suitable for domestic and public buildings and ships to be applied on concrete, cementitious surfaces, anhydrite, steel etc.

**Description of System**

Duo Tonic polyurethane 2 mm system with a smooth, matt, silk-gloss or glossy appearance.

**HERCULAN IG 381 SYSTEM PROPERTIES**

**Primer**

Adhesion strength on concrete [EN-ISO 4624]	> 2 N/mm <sup>2</sup>
Adhesion strength on cementitious [EN-ISO 4624]	> 2 N/mm <sup>2</sup>
Adhesion strength on anhydrite [EN-ISO 4624]	> 2 N/mm <sup>2</sup>
Adhesion strength on steel [EN-ISO 4624]	> 4 N/mm <sup>2</sup>
Adhesion strength on aluminium* [EN-ISO 4624]	> 4 N/mm <sup>2</sup>
Adhesion strength on ceramic tiles* [EN-ISO 4624]	> 2 N/mm <sup>2</sup>
Solid content [EN-ISO 11890]	~ 100 %
Material type	Blend of specially selected high end epoxy resins, emission free.

\* special primer needed

**Intermediate Coat**

Tensile strength [EN-ISO 527]	12.3 MPa
E-modulus [EN-ISO 527]	210 MPa
Elongation [EN-ISO 527]	109 %
Shore D hardness [DIN 53505/ISO 868]	69
Solid content [EN-ISO 11890]	~ 100 %
Surface Color	See Herculan color chart
Fire class [EN 13501-1]	B <sub>fl</sub> -S1
Material type	Blend of specially selected high end emission free polyurethane resins.

**Top Coat**

Solid content [EN-ISO 11890]	~ 100 %
Wear resistance [DIN 53516/ISO 4649]	45 mg [CS 1000/1000]
Gloss [EN-ISO 2813]	Depends on top coat grade
Material type	Blend of specially selected high end emission free resins.
Friction [DIN 51130]	R9

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