

# POLYFLOOR

two part polyurethane paint for floors

- long-lasting resistance to UV radiation
- high chemical & mechanical strength
- strong adhesion

Premium high-hiding, fast drying two-part polyurethane coating for unpainted or previously painted concrete floors. Weather resistant. Adheres tightly to concrete surfaces, resists chalking and peeling. Superior hardness. High friction resistance. Particularly resistant to chemicals and abrasion. Ideal for industrial areas, indoor and outdoor floor surfaces.

<b>COVERAGE</b>	7±2m <sup>2</sup> /L
<b>THINNING</b>	SATIN
<b>THINNING</b>	5-20% THINNER 120
<b>DRYING TIMES</b>	1-2 hours*
<b>RECOATING TIMES</b>	6-12 hours*
<b>RECOMMENDED NUMBER OF COATS</b>	2-3 coats*
<b>TOOLS</b>	roller, brush or airless paint sprayer

\* Lower temperatures or higher relative humidity will prolong drying and recoating times.



## TECHNICAL CHARACTERISTICS

TYPE	POLYURETHANE RESIN	
<b>SPECIFIC GRAVITY</b>	WHITE 980	1.25 ±0.03gr/cm <sup>3</sup>
<b>SOLIDS w/w (ISO 3251-03)</b>		61±2 % *
<b>SOLIDS w/v (ISO 3233-98)</b>		49±3 % *
<b>VISCOSITY (DIM 53211-70/4mm @ 20°C)</b>		90±10 sec *
<b>APPLICATION VISCOSITY (DIM 53211-70/4mm @ 20°C)</b>		40±5 sec *
<b>MIX RATIO BY WEIGHT</b>	3,5 parts of component A and 1 part of component B	
<b>MIX RATIO BY VOLUME</b>	2,5 parts of component A and 1 part of component B	
<b>HIDING POWER (ISO 3905)</b>	95%   150µm wwt film**	
<b>WHITENESS INDEX (ASTM E 313-05)</b>	≥ 84**	
<b>YELLOWNESS INDEX (ASTM E 313-05)</b>	≤ 1,5**	
<b>GLOSS (60°) (ISO 2813-99)</b>	72±2 *	
<b>GLOSS (20°) (ISO 2813-99)</b>	85±3 *	
<b>RECOMMENDED DRY FILM THICKNESS</b>	150µm (±10µm) / 2-3 coats	
<b>HARDNESS (König) (ISO 1522-00)</b>	120±15 sec ,7days	
<b>APPLICATION TEMPERATURE</b>	min 10°C -max 30°C	

\*\*valid only for white.

## REGULATION 2004/42/CE

EU Limit value for this product in a ready-to-use condition (cat A/j; two-pack reactive performance coatings for specific end-use such as floors): 500 g/L (2010). This product (A+B mixed) contains max: 499 g/L VOC.

## SURFACE PREPARATION

Carefully prepare surface to obtain good results. Surface must be clean, dry and free from loose or flaking material, dust, oils and salts.

### ► **New cement or mortar:**

Allow one month after pool construction before painting. The pool must be dry and free from humidity and any dust particle. Apply a 10% hydrochloric acid solution for the pores to open and for obtaining a tighter grip between the surface and the coat. Once you apply the HCl, rub with a brush until the bubbling action of the acid stops. Rinse HCl well with plenty of water. Rub the surface to remove any foreign material. Leave at least one week to dry before painting the pool. If pool insulation is required, apply POLACRYL 301 until surface saturation is achieved. Apply 2-3 coats of POLYFLOOR.

### ► **New glass, tiles, enamel plates:**

Prime with SMALTO GRIP, 1-2 coats. Apply 2-3 coats of POLYFLOOR.

### ► **New stone:**

Apply POLACRYL 302 until surface saturation is achieved and sand surface smooth. Apply 2-3 coats of POLYFLOOR.

### ► **Recoated old surfaces:**

Remove any dirt and loose material with a wire brush. Rinse with water. Make sure that the surface is dry before paint application. Prime with UNI-PRIMER, 1-2 coats, where necessary. Apply 2-3 coats of POLYFLOOR.

## INTENDED USE

■	PLASTER / CONCRETE / MORTAR
■	GLASS/ TILES/ ENAMEL PANELS
■	STONE

## APPLICATION

- Stir well component A before use to achieve homogeneity. Then, add component B progressively while constantly stirring.
- Make sure your tool has the adequate quantity of paint to cover an entire section. This practice should be strictly followed to obtain optimum results.
- Sand surface smooth with the right sandpaper for the task before painting.
- To prevent bubble forming during application, work in an area protected against direct sunlight if possible.

- Do not apply when ambient temperature and surface temperature is below 10°C, above 30°C or when relative humidity is above 50% and surface humidity is above 4%.
- Mix ratio for POLYFLOOR:

BY VOLUME	2,5 parts	component A
	1 part	component B
BY WEIGHT	3,5 parts	component A
	1 part	component B

- Apply the first coat with a roller, a brush or an airless gun sprayer thinned with THINNER 120 by 5-20%. Apply the second coat thinned with THINNER 120 by 5-10%.
- Never paint a wet exterior surface. Start painting three hours after sunrise and make sure that you have finished your painting project three hours before sunset. This will prevent dampness and moisture condensation on the newly painted surface.

## USEFUL INFORMATION

- Lower temperatures or higher relative humidity will prolong drying and recoating times, shortened in the opposite case.
- New plaster or concrete are best to be coated after 28 days.
- The adhesion of the successive coatings may be severely disturbed due to eventual presence of moisture or pollutants between coatings.
- If more than 24 hours elapse after application of UNI-PRIMER, it is best to sand the surface lightly before application of POLYFLOOR.

## PACKAGING

- Available in White / Grey/ Light Blue. Containers of 3L and 9L.

## STORAGE

2 years if unopened and stored under normal storage conditions. Once opened, seal well and store in a closed place at room temperature between 5-30°C. Keep tightly closed after application for future use. Store in a cool place. Protect against freeze and direct sunlight.

## CLEAN-UP / DISPOSAL

Keep your tools wet inside the can when not painting. Rub excess paint off your tools on the side of the can after paint application. Clean immediately after use with THINNER 120 or with any nitro or polyurethane thinner. Do not empty washing liquids into the water table. Always handle empty

## TECHNICAL DATA SHEET

EDITION: JANUARY 2019

G980 | **POLYFLOOR**

REPLACES ALL EARLIER VERSIONS

SPECIAL  
COATINGS

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containers and product carefully. Do not pour leftover product down the drain. Strictly follow local, regional, national regulations and legislation on the disposal of products and empty containers.

### HEALTH & SAFETY

Read carefully the safety instructions on the label. For more information, consult the Safety Data Sheet.

