



**One-pack polyurethane paint  
for floors  
Ready for use, direct multi-coat  
UV and weathering resistant  
Resistance to wearing  
Semi-gloss finish**

**PURPOSE** Protection and decoration of outdoor (and indoor) floors likely to be subjected to repeated mechanic strains, in new or maintenance works

ULTRASOL PU EXT is recommended for all works requiring a good resistance to UV rays and an excellent mechanic and/or chemical resistance: mezzanines, balconies, passageways, stands, footbridges, terraces, stairs, car parks, petrol stations, etc. It may also be used for indoor floors such as in workshops, warehouses, car parks, industrial premises, etc.

**SURFACES** Surfaced concrete, cement cappings or slabs  
Metallic elements  
Hydrocarbon floors (coated, asphalt, bituminous concrete): prior study  
Old polyurethane or epoxy paints in good condition  
Other surfaces: refer to our TECHNICAL SERVICES

**MAIN FEATURES**

- \* One-pack ready-for-use product
- \* Direct multi-coat application over all surfaces
- \* Excellent resistance to UV rays, weathering and atmospheric pollution
- \* Good resistance to wearing and bearing
- \* Good chemical inertia to solvents, usual chemical products, fuels and lubricants
- \* High hardness, good resistance to dirt
- \* Excellent protection against the corrosion of concrete iron rods
- \* High build, fast drying
- \* Easy maintenance, resistant to usual detergents and steam cleaning

**IDENTIFICATION CHARACTERISTICS** **In accordance with official standards or, if none applicable, with internal standards**

**Aspect** Semi-fluid paint

**Dry matter** \* in weight: 70 ± 2 %  
\* in volume: 59 ± 2 %

**Density** 1.29 ± 0.05

**Flash point** Below 21°C

**VOC concentrations** Max. 425 g/l. EU threshold value for this product (A/i cat): 500 g/l

**Dry time (20°C, 65 % RH)** Impervious to dust: 2 hours  
Dry: 3 hours  
Between coats: 24 to 48 hrs (beyond this time, ginning or solvent cleaning with a cloth)  
Light strain: 2 days  
Complete resistance: 1 week  
*Ambient humidity accelerates the drying process*

**Consumption** 200 to 250 g/sqm per coat depending on the surface condition and material porosity (± 100 microns)

**Classification** NF T36-005: Family I class 6a

**USE** Surfaces, preparatory work and application conditions must comply with the applicable standards/DTU (French standards).

**BASE PREPARATION** Bases must be sound, dry, cohesive and consistent with the product application. They must not show rises of capillary humidity  
**Porosity and light roughness ease the coating adherence**  
 They must be exempt from cement laitance, non cohesive and friable parts, old incompatible coating and all kinds of dirt in general (oil, grease, rubber traces, etc.).  
 \* NEW CONCRETE: careful dusting. "Opening" of non absorbent floors through mechanic preparation (blasting, sanding, etc.) or chemical pickling (DÉTERGENT DÉROCHANT or diluted acid), rinse, dry  
 \* OLD BASES: removal of dirt and non cohesive parts through sweeping, brushing. Degrease if necessary through alkaline leaching with NETTOYANT MULTIUSAGES, neutral rinsing, drying  
 Complementary mechanic preparation if cohesion failures or significant strain (blasting, rubbing, sanding)  
 Repair, reworking of evenness with epoxy mortar such as MORTIER SOL 300 (24 hr drying)  
 \* OLD PAINTS (in good condition): light sanding / dusting or caulk leaching  
 \* METAL ACCESSORIES: direct application when indoors, otherwise, adapted primer

## PRODUCT APPLICATION

**Process** 2 to 3 regular cross-coats, depending on the specific use constraints  
 \* Bare or coated concrete (coating in good condition and compatible): direct application  
 \* Hydrocarbon floor: isolate with ULTRASOL A or PRIMAIRE SOL 300 to avoid colour migration

**Equipment** Medium size roller, brush, spray gun  
 Proceed by regular cross-coats without stretching and per complete unit area

**Dilution** Product ready for use  
 Up to 5 % DILUANT R or REX in the first coat over very porous or heterogeneous surfaces  
 Use preferably disposable equipment. Otherwise, DILUANT R or REX, immediately after use

**Equipment cleaning** Use preferably disposable equipment. Otherwise, DILUANT R or REX, immediately after use

**Practical advice**  
 \* Application conditions:  
 . Ambient and surface temperature above 8°C (caution if T > 35°C)  
 . Relative humidity below 90 %  
 . Dry and condensation-free surface (surface temperature > by min. 3°C to dew point)  
 \* It is possible to improve the resistance to slipping and wearing (heavy traffic for instance) by incorporating silica in one layer of the coating ( $\pm$  10 % silica of HN 31 type, homogenise and cross-roll carefully in order to spread the aggregates properly)  
 Sanded coating is more difficult to clean than a smooth one  
 \* Marking out works: product recoatable with itself or with an epoxy or polyurethane ULTRASOL finish. Respect the recoat times between coats, otherwise proceed to ginning

**COLOURS** ULTRASOL colour chart  
 Specific colours made to order (40 kg minimum)

**PACKAGING** 5 kg - 20 kg

**CONSERVATION** 6 months in unopened original packaging  
 Use the opened packs within 24 hours  
 Store in a dry, cool and ventilated room

**HEALTH AND SAFETY** Refer to:  
 \* The safety information label on the packaging  
 \* Safety Data Sheet (Fiche de Données de Sécurité) on the INTERNET: [www.zolpan.fr](http://www.zolpan.fr)

Technical Data Sheet n° 2219

**Issue date: January 2002**

**Last modified: June 2012**

*NB: Cancels and supersedes previous editions. It is our customers' responsibility to check that they have, the latest version before using the product.*

*The information given in this sheet only has an indicative value and cannot replace the specific data relating to the type and condition of the surface to be treated.*

