

# Technical Datasheet

## AQUAPUR 2/C FLOOR PU



Product code: 08340 Floor Coating

### DESCRIPTION

Water-based 2-component polyurethane enamel. Formulated with resins exhibiting high chemical resistance and exceptional hardness. Recommended for areas with limited ventilation to avoid high toxicity atmospheres. Low emission of volatile organic compounds compliant with French A+ legislation and German Agbb standards.

### USE: INTERIOR-EXTERIOR

Recommended as a coating for concrete in the general industry and particularly in the food industry, for interior walls in hospitals, showers, due to its water-based formulation. Suitable for application on concrete surfaces where moisture level content in substrate is difficult to avoid. Ideal for enclosed spaces without ventilation, where the use of conventional paints with organic solvents would create a high-toxicity atmosphere, such as indoor parking lots, industrial warehouses, etc.

Also, suitable as a finishing enamel for protecting exposed metal surfaces from contact with water, grease, diluted acids, or alkalis.

### PROPERTIES

- Excellent adhesion on mineral surfaces.
- Outstanding adhesion on "old paints."
- Strong mechanical and chemical resistance.
- High exterior durability.
- The properties of this enamel make it highly suitable for use on garage floors, parking lots, etc.
- Can be applied on asphaltic products such as tar, bituminous coatings, and slurries.
- Suitable for areas with limited ventilation.
- Low volatile organic compound (VOC) content.

### CERTIFICATIONS

- Fire reaction: Euroclass Bs1d0 in accordance with UNE 13501-1.
- VOC (Volatile Organic Compounds) emission test according to ISO 16000-6:2006 to establish a classification based on the criteria outlined in the AgBB 2018 scheme and in accordance with the criteria set forth in decree No. 2011-321 dated March 23, 2011, by the French Ministry of Ecology, Sustainable Development, Transport, and Housing.

**Finish:** Semi-gloss

**Colours:** Junomatic Decorative Tinting System colours

**Viscosity:** Minimum 30 P S/FR1007

**Density:** 1,14 ± 0,05 gr/cc S/FR1001

**Drying time:** Touch dry in 1-2 hours

**Minimum repaint time:** 16 hours

**Maximum repaint time:** 3 days

**Thinner:** Water

**Practical coverage:** 8 m<sup>2</sup>/L (per coat) (60 microns DFT)

**Solids in volume:** 48 ± 2 % Theoretical (White)

**Flash point:** Not flammable

**Mixing ratio component A/B in volume:** 12:1

**Mixing ratio component A/B in weight:** 92:8

**Mixture potlife:** max 2 hours

**VOC Content:** Maximum 100 gr/litre

08340 P-BASE (White)

08341 TR-BASE (Deep)

**Format:** 4 L / 15 L



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### SURFACE PREPARATION

**CEMENT AND CONCRETE SURFACES.** Ensure newly laid floors are completely cured (allow for min. 1 month).

The surface must be completely dry. As a general rule, surfaces should be firm, dry, and clean with a minimum tensile strength of 15 kg/cm<sup>2</sup> and a compressive strength greater than 25 N/mm<sup>2</sup>. Always check the substrate moisture level before application (should be below 4% measured at 2 cm depth).

Surfaces must be rough and absorbent, free from grease stains, rubber, curing agents, lime slurry, and any other foreign material.

Attempt to remove all grease and rubber stains using solvents or detergents, followed by a rinse with water. Should this not eliminate stains, shotblast or mill the substrate. Shot blasting or mill concrete surfaces to remove slurry and curing agents, followed by vacuuming the dust generated. This will result in a rough surface free from foreign materials, promoting adhesion and optimal results. If there are doubts about surface preparation treatments, consult our Technical Department.

When in doubt about the quality of floor preparation, we recommend applying paint to a representative area of the surface (1 m<sup>2</sup>) to check adhesion results before deciding to complete the job. On concrete surfaces, apply a primer coat of **Water-Based Dynapok Floor Primer (Prod. Code 7160)** diluted with 30% water. After 24 hours, repaint with a minimum of 2 coats of **Aquapur 2/C Floor PU** enamel.

**METAL SURFACES.** Metal surfaces must be free from grease, rust, and mill scale, and subsequently primed with **Dynapok Primer (Prod.Code 22.722)**. After 24 hours, apply **Aquapur 2/C Floor PU** enamel.

**ASPHALT SURFACES.** Must be clean before commencing work. It is advisable to wait for 15 days after laying before applying any paint to it. To enhance adhesion, apply a first coat of Water-Based **Dynapok Floor Primer (Prod. Code 7160)** diluted with 30% water.

### APPLICATION TIPS

Stir the paint until completely homogeneous. Apply to consistent, clean surfaces free from efflorescence (saltpeter) and mould.

It is not advisable to apply the product on wet or excessively sun-heated surfaces.

Dilute the product depending on the porosity and condition of the substrate.

**MIXING PREPARATION:** Stir component A in its container, and once homogenized, slowly add component B to it while mechanically stirring at low speed. Shake for 2 minutes until thoroughly homogenized. If necessary, transfer the mixture to another container and stir to ensure a maximum homogeneous mixture. Leave to rest to eliminate air bubbles. Do not use the mixture after 2 hours of mixing components A and B, as this will supercede the maximum potlife.

**ENVIRONMENTAL CONDITIONS:** During application and curing, the temperature should be maintained above 5 °C. The relative humidity should not exceed 75%. There should be no rising damp. The substrate temperature should be at least 3 °C above the dew point. Avoid condensation. Do not apply in rainy or windy conditions.

**APPLICATION METHOD:** Roller, brush, or spraying. If using a spray gun, dilute with potable water. For applications on wet substrates, it is recommended to apply by brush. After applying the primer, apply two undiluted topcoats. For maximum mechanical resistance, a third coat should be applied. The time between coats should not be less than 16 hours and not exceed 72 hours.

**CLEANING:** At the end of the job, tools can be cleaned with water. However, it is recommended to rinse with a solvent compatible with water to remove residues of the binder that has already undergone a hardening reaction.

### OBSERVATIONS

The Aquapur 2/C Floor PU Enamel must be protected from moisture, condensation, and water, at least during the first 24 hours after application. Avoid water accumulations on its surface.

In enclosed spaces, there should be sufficient air circulation during the drying process to prevent high concentrations of relative humidity, which could hinder the correct formation of the paint film.

Repainting should be done within 72 hours of the previous application. If repainting is done later, slight sanding is necessary to achieve proper adhesion.

The floor should not be trafficked by vehicles for a week to attain the appropriate hardness.

The use of floor sweeping machines for cleaning may diminish the product's gloss level and alter its colour.

### SAFETY AND ENVIRONMENT

Minimize product waste by estimating the accurate required quantity, considering the square metres, porosity, and texture of the substrate. Store any leftover material in a ventilated and dry area. The container should be clean and of the appropriate size for the remaining product. Seal containers carefully and keep them upright to prevent spills. Preserve containers from frost, high temperatures, and direct sunlight. Reuse any unused product to reduce environmental impact.

Do not eat, drink, or smoke during the preparation and application of the product. Surface preparation and application operations should be conducted with the necessary safety measures. For more information, refer to the Safety Data Sheet.

In case of eye contact, rinse with clean and abundant water. Keep out of reach of children.

Do not pour into drains or the environment. Dispose of at a local authorized waste collection point. Consult your municipality regarding the proper recycling of both the container and paint waste according to laws and environmental respect principles.

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