



# PU1 HARD GLAZE

## WATER-BASED SINGLE-PART HARD-WEARING PU COATING

### USES

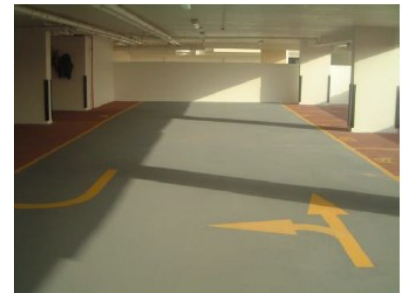
1. Industrial flooring, warehouse floors and helipads
2. Carpark decking and residential garages
3. Dairy and hotel industry and non-slip ramp-ways
4. Pedestrian walkways and food processing plants
5. Trafficable roofs and bridge decks

### FEATURES

1. Water-based, U.V. stable high performance aqueous aliphatic polyurethane floor coating for various industries
2. **Moh's Hardness Rating of 5.0** provides outstanding abrasion, impact and chemical resistance coupled with high degree of flexibility. PU1 is micro-porous, allowing the substrate to breathe, unlike solvent based systems.
3. Polyurethane pre-mixed hard-wearing yet flexible surface coating designed for the long term protection of industrial floors in factories, warehouses, carpark decks, dairies, breweries and hygienic coatings for pharmaceuticals where long term maintenance-free protection is required.
4. Produced to a silk sheen for maximizing light reflectivity whilst being easy to clean; has non-slip characteristics and reduction of glare
5. Optimum visibility of direction, line and parking bays and speed bump markings
6. Adhesion to sub floor is not affected by moisture, as it is a breathable water-based system unlike its counterpart solvent-based systems and is available in different shades

### KEY CHARACTERISTICS

1. Excellent wear, abrasion and impact resistance
2. Excellent dust proofing properties
3. Excellent crack bridging properties
4. Excellent flexibility, adhesion and durability
5. Excellent resistance to carbon dioxide permeation, outstanding water, alkali and chemical resistance
6. Suitable for use on bituminous, cementitious and resinous substrates
7. Hygienic, non-tainting and U.V. stable;
8. Suitable for micro-porous, vapor permeable and breathable coatings.
9. Non-toxic, non-flammable, solvent-free and eco-friendly
10. Waterproof and seamless coatings



### WARRIOR PTE LTD

Blk 17 Marsiling Industrial Estate Road 1 #01-11 Singapore 739279

Tel: (65) 6364 5100 , 6364 5060 , 6367 3676

[war99@singnet.com.sg](mailto:war99@singnet.com.sg) [www.warrior.com.sg](http://www.warrior.com.sg)



CERT NO.: XX-XXXX  
ISO 14001:2004





# PU1 HARD GLAZE

## WATER-BASED SINGLE-PART HARD-WEARING PU COATING

### APPLICATION METHOD

- Newly cast cement needs to be fully cured for 30 days to reduce alkalinity that causes paint blisters.
- Roll on with short hair roller. **Coverage: 4 m<sup>2</sup>/ kg for 2 coats 0.3 mm thick.**
- **Self-Levelling Screed:** on powdery surfaces, it is best to apply a coat of **sealer** before applying **PU1**; otherwise, peeling of the coating will occur.
- **Steel surfaces:** Sand-blast to above Sa 2.5 degree, or polish to St3 class with electric tools.
  - Ensure that the previous coat is completely dry before application of next coat.
  - Apply evenly ensure a regular film thickness.
  - Apply a final glossy or matte clear top coat with clear **PU1** coating as needed.
  - Allow curing time of approx. 72-120 hours depending on weather conditions before allowing traffic or any further works.

### CHEMICAL RESISTANCE

**PU 1** Hard floor coat will resist spillages of:

1. Mineral oils, kerosene, gasoline and brake fluids
2. Most organic solvents and high octane aviation fuels
3. Dilute acids like hydrochloric, nitric, phosphoric and sulfuric
4. Diluted alkali solutions like sodium hydroxide, detergent etc.
5. Fats, oils and sugars

### TECHNICAL DATA

- |                                       |   |
|---------------------------------------|---|
| 1. Specific gravity :                 | 1.25                                    |
| 2. Abrasion resistance (ASTM D4060) : | 120 mg weight loss / 1000 cycles.       |
| 3. Impact resistance (BS 2782) :      | No failure (2 lbs. load dropped 18 ins) |
| 4. Elongation (ASTM D412) :           | 200%                                    |
| 5. Scrub resistance (ASTM D2486) :    | greater than 10,000 cycles              |
| 6. Scratch resistance (BS3900) :      | No failure 5.5 lbs. load                |
| 7. Humidity resistance (BS 3900) :    | Un-effected 6000 hrs. exposure          |
| 8. Water absorption (CP.BM 2/67/2) :  | Nil                                     |



**COLOR:** Clear , Grey

**PACKING:** 5-kg pail, 20-kg pail

Disclaimer:

*The information provided in this brochure is ensured to be as accurate as possible at the time of inclusion, however there may be inadvertent and occasional errors which may have slipped from our notice. Warrior Pte Ltd does not guarantee and make no representations or warranties of any kind about the information, advice and opinions provided and reserves the right to make changes and corrections at any time, without prior notice to any parties. Warrior Pte Ltd accepts no liability for any inaccuracies or omissions in its brochure and any decisions made based on information and opinions contained in the brochure is the sole responsibility of the user.*

### WARRIOR PTE LTD

Blk 17 Marsiling Industrial Estate Road 1 #01-11 Singapore 739279

Tel: (65) 6364 5100 , 6364 5060 , 6367 3676

[war99@singnet.com.sg](mailto:war99@singnet.com.sg) [www.warrior.com.sg](http://www.warrior.com.sg)



CERT NO.: XX-XXXX  
ISO 14001:2004

