



## DATASHEET

### DIMAPCHEM PU UD + Hardener

#### **HIGH BUILD ULTRA DURABLE PROTECTIVE & DECORATIVE POLYURETHENE COATING BENEFITS**

- Excellent chemical resistance.
- Can be used on concrete, steel, galvanized steel substrates
- Available in attractive & pleasant colors
- Easily applied by brush or roller
- Excellent protective properties.
- Hardwearing: Good resistance to abrasion.
- Non dusting: Totally seal the concrete surface preventing dusting.

#### **Application method :**

Brush, Roll & Spray **During Application :** Temperature 5 to 40°C **In Service :**  
70°C **APPLICATION**

**Airless/tip:** .018"/.020" pressure not less than 150 bar **Conventional / (pressure pot):**

1.4mm Nozzle / 4 bars **Surface Preparation:** (a) Concrete substrates: the surface should be sound, free from laitance and contamination. All blow holes, surface cracks etc. shall be repaired with

DIMAPCHEM SCREED R or DIMAPCHEM SCREED VF.

(b) On Steel Surface: Oil contaminated surfaces should be thoroughly cleaned with a brushing should be done.

#### **Priming:**

One coat of **DIMAPCHEM PU OR DIMAPCHEMFONDO** primer is recommended where concrete or steel surfaces are very porous. **Mixing:** DIMAPCHEM PU-UD is supplied ready to use in pre- weighed packs of resin and hardener for easy on site mixing. Pour the hardener into the resin can, and mix well, using a paddle attached to an electric drill, for 2-3 minutes until a uniform color is obtained.

**Application:** DIMAPCHEM PU-UD may be applied by brush or airless spray to give a continuous coating on the prepared surface. A second coat may be subsequently applied when first coat is dried. Preferably next day. **Coverage:** 3 to 3.5 m<sup>2</sup> per kg for two coat application.

**Cleaning:** Tools and mixers should be cleaned with **DIMAPCHEM TOOL CLEAN** immediately after use.



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## CHEMICAL RESISTANCE

**DIMAPCHEM PU-UD** has resistance to chemical attack as follows.

## PACKING & COVERAGE

One Quart, US. Gallon & Pail pack. Consist of Base and Hardener.

1 liter of **DIMAPCHEM PU-UD** is sufficient to cover 13-15m<sup>2</sup> for a one coat application achieving DFT of (50 microns theoretical).

## HEALTH & SAFETY

Gloves must be worn, and use goggles for overhead application to prevent contact with eye. Any splash should be washed with water and medical advice sought. In enclosed areas, good ventilation must be ensured, and smoking must be strictly prohibited while using **DIMAPCHEM PU-UD**.

## TECHNICAL SERVICES

While new advances and changes will take place but one thing will never change is quality and meeting special needs of our customers. Our technical personnel & experts are available to provide additional information and technical assistance. We are eager to work with you in development of new product and resolve your problem.

### Typical application for steel :

Primer :EPS or EPE or Mastic or EP ZRP 75 to 100 microns

Intermediate :DIMAPCHEM MIO or DIMAPCHEM EPS 150 to

200microns Top coat :PU-UD 100 to 150 microns



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## DIMAPCHEM PU™— UD

<b>Chemistry</b>	
<i>Color</i>	White, Grey & (Special colors on order)&clear
<i>gloss level</i>	Semi Gloss /GLOSS/MATT
<i>Volume Solids</i>	62% ± 3%
<i>typical thickness</i>	60 Micron dry Equivalent to 100 Microns Wet.
<i>theoretical coverage</i>	10 M2 / Liter at 60 Microns
<i>practical coverage</i>	Allow Appropriate Loss Factor
<i>Flash Point</i>	27 °C
<i>Specific Gravity</i>	1.0 Kg/l ± 3%
<i>Viscosity</i>	60ku/25 °C
<i>Thinner to use</i>	DIMAPCHEM PU THINNER
<i>Hardener</i>	25%
<b>Application Method</b>	
<i>common application fields</i>	<b>General Steel</b>
<i>Application methods</i>	Airless/tip: .018"/.020", pressure at tip not less than 150 bar Conventional / (pressure pot): 1.4mm Nozzle / 4 Bars Brush Roller
<i>Number of Coats</i>	One Coats or more upon need
<i>Recoating interval at 25°C</i>	
<i>Thinning</i>	~20%
<i>cleaner</i>	DIMAPCHEM cleaner
<i>preparation of substrate</i>	For Iron SA 2.5+primer
<i>Dry Time</i>	1 Hour Touch Dry, 3 - 5 Hours Hard
<i>Time to clean application equipment</i>	Immediately after use.
<i>Packaging</i>	1 Quart, U.S. Gallon & Pail
<i>storage</i>	Between 5°C and 45°C Degrees
<i>Shelve life storage</i>	12 Month

*Shipping weight  
not  
including pallets  
and boxes*

us gallon/---kg    US pail /---kg

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**ALL PRODUCTS EXAMINED BY GFC LAB-ITALY**