

# PENTENS PU-120

## Polyurethane Surface Finish Coating

### Product Data Sheet

#### Description

PENTENS PU-120 is a two-component, liquid-applied, permanent elastic, moisture-cured, colorful polyurethane resin used as protective coating on waterproofing, concrete, wood and steel. When applied on the surface of polyurethane material as finishing coat, its excellent weather resistance can make the covered polyurethane materials more long-lasting.

#### Uses

PENTENS PU-120 provides a colorful, weather resistant coat for finishings such as:

- Polyurethane waterproofing membrane
- Polyurethane sports ground flooring

#### Advantages

- Excellent adhesion.
- High elasticity.
- Superior chemical resistance.
- Excellent weather resistance and durability.
- Abrasion resistance.
- Easy to use.
- Quick drying in thin coats.

#### Technical & Physical Data

Form	Liquid
Drying Time (touch dry)	1.5 hour
Pliability ( $\sigma$ 3mm)	Unaffected
Water Resistance in 100% Relative Humidity, 24 hours	Unaffected
Chemical Resistance (5w/v % H <sub>2</sub> SO <sub>4</sub> / 24 hours)	Unaffected
Heating Residue	52.5%
Light Exposure (Fluorescent UV-Condensation Light)	Unaffected
Packaging	
■ PU-120 A	16kg /pail
■ PU-120 B	16kg /pail

#### Important Notes

The material should be stored in dry, cool rooms for up to 12 months. Protect the material against moisture and direct sunlight. Storage temperature: 5°C - 30°C. Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels.

## Instruction for Use

### Precautions for use

- The application and drying temperature must be between 10°C and 35°C.
- Do not apply to heavy duty industrial flooring.

### Surface preparation

Substrates must be sound, crack-free, dry, solid and free from dust.

### Mixing

PENTENS PU-120 must be mixed homogeneously prior to application, using an electrical or pneumatic power stirrer at approximately 300-400 rpm. Mixing time is minimum 30 seconds but depending on the circumstances, it may take longer until a homogeneous mix is achieved.

### Application

The mixed PENTENS PU-120 should be applied to the prepared surface in minimum of 2 coats using brush or lamb wool roller.

The second coat may be applied as soon as the first coat shows initial drying (typically 2 to 6 hours). The time interval will depend on the type of surface and the ambient conditions.

### Coverage

Approximately 0.2kg/m<sup>2</sup>/coat

### Safety

PENTENS PU-120 is flammable. Keep away from sources of ignition. No smoking. In the event of fire, extinguish with CO<sub>2</sub> or foam.

Impervious gloves and barrier cream should be used when handling these products. Eye protection should be worn. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice if symptoms persist. If contact with skin occurs, it must be removed before curing takes place. Wash off with an industrial skin cleanser followed by plenty of soap and water. Do not use solvent. Ensure adequate ventilation when using these products.

**PENTENS****UFON NANO-CHEMICAL LTD.**

8F, No.2, Lane 348, Sec 2, Chung-Shang Road,  
Chung Ho City, Taipei Hsien, Taiwan, R.O.C.  
Tel: +886 2 2240 0220 Fax: +886 2 2242 6536  
URL: www.pentens.com  
E-mail: pentens@ms35.hinet.net

**DONG JI (M) SDN. BHD.**

No.8, Jalan TPP 5/7, Taman Perindustrian Puchong,  
47100 Puchong Selangor, Malaysia.  
Tel: +603 8060 4396 Fax: +603 8060 4394  
URL: www.pentens.com.my  
E-mail: dji@pentens.com.my