



## WHITECHEM PU RB 205

### 1 – DESCRIPTION

**WHITECHEM PU RB 205** is a one component, polyurethane binder which cures by reaction with atmospheric moisture. It is 100% solids, low viscosity and produces a elastic membrane with excellent adhesion to recycled rubber granules. This is our fast curing speed binder which is primarily used in press system applications.

### 2 – PROPERTIES

- Moisture cure
- Excellent adhesion on rubber granules
- Flexible
- Durable
- Solvent free

### 3 – APPLICATIONS

- Parks
- Children's playgrounds
- School playgrounds
- Sport facilities
- Outdoor recreation areas
- Synthetic surfaces
- Rubber floor and doormat
- Sound vibration

### 4 – INSTRUCTIONS

- Whitechem PU RB 205 is ready for use as supplied and should be mixed with dry rubber granules are follows:  
Whitechem PU RB 205 : 5- 6% by weight  
Rubber granules : 94-95 % by weight

Mix MDI binder into rubber granules until the mixture completely wetted. The mixing period in the mixer after having added the binder to the rubber granules should be 3-5 minutes depending on the quantity being mixed. The mixture should be prepared and mixed in a clean and dry mechanical mixer until a homogenous mixture is obtained.

- Molds are normally heated between 110-150°C
- Pressure time may vary between 7 to 15 minutes under pressure of 500 to 2000 PSI



- The mold temperature, pressure, and press time change with the type of finished product requirements

## 5- PACKAGING

220 kg drums.

## 6- STORAGE AND SHELF LIFE

Store the product in a ventilated place away from direct exposure to sunlight. Keep between 10°C and 25°C for quality reasons. Shelf life of the unopened original packaging is 9 months from manufacturing date.

## 7- SAFETY

Avoid breathing vapors. Avoid contact with skin and eyes. Take precautions during application. Wear suitable protective clothing, gloves and eye / face protection. Adequate ventilation of the working area is recommended.

Refer to SDS sheet prior to use.

## 8- RESTRICTIONS

Rubber granules must be clean, dry and free from dust, dirt, oil and other foreign materials before addition of binder.

## 9- TECHNICAL PROPERTIES

<b>Basis</b>	: Polyurethane
<b>Color</b>	: Yellow/Amber
<b>Solids by weight</b>	: 100 %
<b>Viscosity</b>	: 4000-5500 mPa.s (at 25 °C )
<b>Density</b>	: 1,1±0,03 gr/cm <sup>3</sup> (at 25 °C)
<b>% NCO</b>	: 9,5 -11,5
<b>Dust Free Time</b>	: 100-130 min (at 23 °C 50% H)