

# CIKObinder PR2

## Two components Polyurethane Rubber Binder

### Description

CIKObinder PR2 is a two component polyurethane with low to zero emission, unfilled, used as floor binder for indoor and outdoor application as rubber matt binder

### Properties

- Easy to mix (Pre-Weighed packs)
- Easy to apply
- Low viscosity
- Excellent binder properties
- Excellent mechanical properties
- Chemical resistant
- Low to no odor
- Smooth ending
- Weather resistance
- Flexible
- High solid content
- Minimal VOC content

### Application area

CIKObinder PR2 is suitable for:

- Provide imperviousness finish
- All sport flooring system
- Interior decorative areas
- Binder for rubber granules
- Schools and playgrounds
- Walkways and running tracks
- Sports venues
- Mini football courts

### Physical properties

Form	Two component system	
Colour	Wide range of color is available upon request	
Viscosity	1100 mPa.s	
Pot life	20-25min	
Elongation D412	ASTM	>100%
Tensile ASTM D412	strength	>10 MPa
Shore A Hardness	70	

### Coverage

CIKObinder PR2 coverage depends on the size of the rubber granules used. For optimum performance binder to rubber ratio to be 1:3.

Binder ratio and shape of the rubber particles have a large effect on the performance of cured particles. In general, at a given binder level, the use of fibrous shaped rubbers results in softer products with lower tensile strength than that gained using granular rubber particles.

### Application instructions

#### Surface preparation

The substrate should be free from dust and loose particles. All contamination should be treated well before application of CIKObinder PR2. In case of presence of traces of oil or grease on the substrate, it should be removed by suitable means.

#### Priming

Priming is required on properly prepared substrates surfaces using adequate CIKO primer.

#### Mixing

The base component [Part-A] of CIKObinder PR2 should be mixed thoroughly using a heavy duty slow speed drill-paddle assembly for two minutes and ensure that all settled particles are dispersed and that a homogenous mix with uniform colour is obtained.

Pour the hardener component [Part-B] into the mixed base component [Part-A] and mix well for 3 to 5min to achieve a homogeneous and uniform consistency.

Dry rubber granules blended with the binder in a force blender or agitator for 3-5min until completely homogenised.

#### Application

The completely wet out rubber mix is processed into a level bed by hand tamping or mechanical pavers to evenly compact the mat to the desired thickness. For most of the applications, the layer generally is processed continuously to results in a seamless mat. If interruption is necessary, the leading edge of the mat previously laid should be primed prior to recommencement to prevent cracking later.

**Note:** Due to sensitivity of aromatic polyurethane to UV rays, the applied binder might yellow and fade on the exterior surfaces. This change in appearance does not modify its mechanical properties or leak tightness. However, an aliphatic sealer can avoid this.

### **Cleaning**

Equipment's are to be cleaned with CIKOsol immediately after usage.  
Contact CIKO technical team for more giddiness and information.

### **Packaging**

CIKObinder PR2 is available in 5 kg kit..

### **Shelf life**

CIKObinder PR2 has a shelf life of 12 months if stored in accordance with CIKO instructions.

### **Storage**

CIKObinder PR2 should be stored under enclosed shaded area

### **Precautions**

Prior application of CIKObinder PR2, ensure that

- Stir part A before mixing with the other parts
- Bond strength of the substrate must be at least 1.5 MPa
- Moisture content of the substrate is less than 4%.
- Ambient temperature is between 10 – 40°C.
- Substrate temperature is between 10 – 35°C.
- Relative humidity is below 75%.

### **Health & safety**

CIKObinder PR2 should not come in contact with eyes or to be swallowed. Ensure adequate ventilation and avoid inhalation of vapours.

Applicator should wear suitable cloths, gloves and goggles. Use barrier creams recommended providing additional skin protection. If comes in contact with eyes flush with plenty of fresh water and seek medical advice.

Refer Material Safety Data Sheet for further details.

### **Technical Support**

For further technical support, do not hesitate to contact CIKO team at any time as CIKO offers on and off site services to end users, specifier and contractors.

### **More from CIKO Middle East**

A wide range of construction chemical products are manufactured by CIKO Middle East which includes:

- *Concrete admixtures and additives*
- *Waterproofing and damp proof coatings*
- *Surface treatments*
- *Flooring and toppings*
- *Grouts and anchors*
- *Tile adhesives and grout*
- *Concrete repair materials*
- *Adhesives and bonding agent*
- *Protective coating*
- *Joint Sealants and Moulding compounds*
- *Ancillaries*

TDS/FT18 Rev.:2 Issue:C

Note: The information presented herein based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control



ص. ب رقم : ٢٩٥ ، الدوحة - قطر  
ت : (+974) 4411 4787 ، 4411 4790 ، 4411 4787  
فلكس : +974 4411 4792

P.O.Box : 295, Doha, Qatar  
T.: (+974) 4411 4787 / 4411 4790 / 4411 4794  
F.: (+974) 44114792  
E-mail: enquiries@cikome.com