

CIKObinder PR1

One component Polyurethane Rubber Binder

Description

CIKObinder PR1 is a one component polyurethane with low to zero emission, unfilled, used as floor binder for indoor and outdoor application as rubber matt binder

Properties

- Easy to apply
- Low viscosity
- Excellent binder properties
- Excellent mechanical properties
- Chemical resistant
- Low to no odor
- Smooth ending

Application area

CIKObinder PR1 is suitable for:

- All sports flooring system
- Interior decorative areas
- Binder for rubber granules
- Schools
- Playgrounds
- Kindergarten
- Walkways
- Running tracks
- Sports venues
- Mini football courts

Physical properties @25°C

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

Coverage

CIKObinder PR1 coverage depends on the size of the rubber granules used. For optimum performance binder to rubber ratio to be 1:5.

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 PR1. 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 primer from CIKO wide range of primers.

Mixing

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

Cleaning

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

Packaging

CIKObinder PR1 is available in 5 kg pail, 10 kg pail & 200 kg drums.

Shelf life

CIKObinder PR1 has a shelf life of 12 months if stored in accordance with CIKO instructions.

Storage

CIKObinder PR1 should be stored under enclosed shaded area at temperatures between 5 and 35°C.

Precautions

Prior application of CIKObinder PR1, ensure that:

- 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 PR1 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