

# CRP® Floor LH

## LIQUID FLOOR HARDENER

Designed to penetrate and strengthen concrete surfaces.

### Uses

CRP® Floor LH liquid floor hardener is used for surface hardening of new and old concrete to prevent dust generation and to reduce wear. This is particularly recommended in areas where stain resistance is the main criteria. Typical areas of application include parking facilities, maintenance areas, decorative pavers, service bays, manufacturing areas on concrete, masonry and stone surfaces.

### Advantages

- **Oil Repellent** system protects against staining from greases, hydraulic fluids, fuels, oils and fatty materials
- **Water Repellent** treatment protects surface from moisture, water borne pollution, dirt and growth of micro-organisms (moss, lichens)
- **Graffiti Barrier** that makes removal of commonly used graffiti materials easier.
- **Penetrates** surface for long-term protection; does not leave a film or coating.
- **Invisible protection** without changing the appearance of the treated surface
- **Super easy** cleaning and maintenance

### Description

CRP® Floor LH liquid floor hardener is a epoxy resin based system which when applied on concrete surfaces penetrates into the micro channels and seals against water and chemical attack and improves abrasion resistance.

### Technical support

CRP offers a comprehensive range of floor toppings and coatings. In addition, CRP offers technical support service to specifiers, end users and contractors, as well as on-site technical assistance in locations all over the country.

### SPECIFICATION

Density	: Approximately 1050 kg/m <sup>3</sup>
Viscosity (mixed)	: < 1,75 Poise @ 20°C
Packaging	: 5 liter/set
Coverage	: 4 – 5 m <sup>2</sup> /liter (depend on concrete surface)

### PROPERTIES

	@ 20°C	@ 30°C
Pot life	: 40 mins	30 mins
Cure time	: 24 hours	18 hours
Modulus of elasticity	: 900 N/mm <sup>2</sup>	
Reaction Time	: 75 mins	50 mins
Compressive strength	: 80 N/mm <sup>2</sup>	
Flexural strength	: 40 N/mm <sup>2</sup>	
Tensile strength	: 20 N/mm <sup>2</sup>	
Shore D Hardness (ASTM D 2240:1006)	: 85	

### Preparation

The substrate shall be thoroughly cleaned of all foreign materials such as bond breakers, curing agents, form release oils, dust, construction laitance by light mechanical grinding if required. Clean the surface with a high pH detergent and wash thoroughly.

### Mixing

The entire contents of the hardener can should be poured into the base container and mixed for 2-3 minutes or until uniform colour is achieved. Once mixed, the material must be used within the specified pot life (see under Properties). Note: Immediately prior to placement, all surfaces must be dry.

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### Storage

When stored in warehouse conditions below 35°C, CRP® Floor LH will have a shelf life of 12 months.

### Cleaning

All tools and equipment should be cleaned immediately after use with solvent material.

### Precautions

### Health and Safety

Some people are sensitive to epoxy resin so gloves and a barrier cream such as Kerodex 71, Rozalex 9, Debba Wet Work or similar should be used when handling these products. If contact with the resin occurs, it must be removed before it hardens with a resin removing cream such as Kerocleanse 22 or Rozalex 42. Follow by washing with soap and water. Do but should accidental eye contamination occur, wash thoroughly with plenty of clean water and seek medical treatment immediately.



### About CRP Cipta Rupa Pertama

CRP is one of the Indonesian national company that produces a variety of chemical products for the construction business & professional specialist contractors to solve construction problems perfectly.

Warranty, technical advice, accurate calculation, timely based project, selecting suitable products and affordable prices are the focus of CRP to serve clients.

CRP also provides training classes for clients consisting of classroom theory and practice.

### Specialties

Concrete Admixture, Waterproofing, Grouting, Epoxy Coating, Flooring, Concrete Repair & Retrofit, Fastening System, Training Centre