

PRODUCT INFORMATION

SPECIFICATIONS
VYREP C1 meets the requirements of ASTM C109, ASTM C348.

PACKAGING
VYREP C1 is packaged in 25 Kg packs

COVERAGE
 The approximate yield of 25 Kg packs 12.5:13 Lit

SHELF LIFE
 12 months if stored in original unopened packs.

STORAGE
VYREP C1 should be stored in clean ground over plastic or wooden pallets out from direct sun light and moisture at temperature between +5°C to +35°C

DESCRIPTION

VYREP C1 is a single-component, rapid-setting, repair mortar for use on new and existing concrete and masonry surfaces. This product is designed for the reconstruction of damaged vertical and overhead concrete and masonry structures, both interior and exterior. **VYREP C1** can also be used in light-duty, pedestrian, horizontal applications.

TYPICAL APPLICATIONS

- Walls and precast panels.
- Curbs and gutters
- Overhead patching
- Masonry units and columns
- Concrete pipes
- Concrete repair

FEATURES

- Non shrink, Non toxic
- Characteristics improvement over 10 years
- Suitable for both interior and exterior applications
- Light grey color blends well with aged concrete

TECHNICAL PROPERTIES

FORM	cementitious	
APPEARANCE	grey	
S.G.	2.2 kg/lit.	
SETTING TIME	15 min	
COMPRESSIVE STRENGTH	25 N/mm ²	after 28 days
FLEXURAL STRENGTH	10 N/mm ²	after 28 days
BOND STRENGTH	3 N/mm ²	after 28 days
MAXIMUM LAYER THICKNESS	up to 30 mm	

INSTRUCTION FOR USE

- **Surface Preparation**
 Concrete surfaces must be structurally sound, free of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence, oil and all other contaminants. Mechanically abrade the surface to achieve a minimum surface profile of CSP 5 - 7 in accordance with ICRI Guideline 310.2. Properly clean profiled area.
- **Priming & Bonding**
 (Saw Cut & Chipped out Repairs): Thoroughly clean any exposed reinforcing steel, apply **VYRUST** as an anti rust for corrosive steel then apply **VYPROTECT ZR**. Apply **VYLATEX** to the concrete as a bonding material within the repair area. Alternatively, application of **VYREP C1** to the saturated surface dry (SSD) concrete surface may be used for bonding. The repair material must be placed on the scrub coat before the scrub coat dries out. (Vertical & Overhead Skim Coats/Toppings): Apply **VYREP C1** to the saturated surface dry (SSD) concrete surface.
- **Mixing**
 Single bags may be mixed with a low speed electric drill and "jiffy" mixer 300-500 rpm. Use a paddle type mortar mixer for large jobs. All materials should be in the proper temperature range of (10°C to 45°C). Add 4:4.5 Lit. of potable water for the batch size and then add the dry product.
- **Placement**
 Place **VYREP C1** onto the prepared concrete or masonry surface at a minimum depth of at least (2mm). Float or trowel flush with adjacent surface and allow to set. Finish to match the surrounding surfaces. Place **VYREP C1** while the scrub coat is still wet.
- **Curing and Sealing**
 Proper curing procedures are important to ensure the durability and quality of the repair. To prevent surface cracking, cure the material with a high solid curing compound, such as **VYKURE V100**. Allow the curing compound to dry. In hot, windy or direct sunlight situations, apply a second coat of curing compound. If a curing compound is not desired, wet cure for a minimum of three days.



CLEAN UP

Clean all mixing and application equipment with water immediately follows use. If allowed to dry on a surface, removal is extremely difficult

PRECUATIONS

- **VYREP C1** should not be applied in hot direct sunlight.
- **VYREP C1** should not be applied over bleed water.
- **VYREP C1** should not be applied in rainy weather.
- **VYREP C1** is nonflammable; avoid the direct contact with eye

TECHNICAL SUPPORT

For any technical support, please consult **VYCON** office or visit our website <http://www.vycon-eg.com>

HEALTH AND SAFETY

Take precautions to avoid inhalation of spray mist and contact with skin and eyes. wear suitable protective clothing gloves, eye protection. if skin comes in contact it should be washed with fresh water and soap. eyes contact should be cautiously washed with fresh water. the product non toxic and non hazardous according to health and safety codes



WARRANTY: **VYCON CONSTRUCTION CHEMICALS** warrants that; (1) its products will perform substantially in accordance with the accompanying written materials for a period 1 year from the date of receipt. (2) The product will be free from defects in materials and workmanship under normal use for 1 year. In case of any product fails to conform to this warranty, **VYCON** will replace the product with no cost to the client. **VYCON** doesn't authorize anyone to make any written statement which may change the installation information or instructions of the product data. The wrong installation of the product which fails to conform to the instructions shall void the warranty.