

TECHNICAL DATA SHEET

RAYCO RM50 is a fiber reinforced, non-shrink, cementitious repair mortar capable of repairing concrete damages, honeycombs and weakened structures. Recommended repair thickness is 5–50 mm per application. Total build-up thickness of up to 100 mm can be achieved by applying 50 mm layers at 24-hour intervals.

PRODUCT FEATURES:

- High compressive strength
- Non-sag properties
- Non-shrink properties.
- Suitable for overhead applications on chipped or rough substrates.
- With excellent resistance to seawater for coastal or marine environments.
- Easy to apply using steel trowel.
- Can provide rough or smooth finish depending on application technique.

RECOMMENDATION APPLICATIONS

- Repair of concrete honeycombs and columns with exposed rebars.
- Repair of damaged/chipped concrete
- Repair of floors/roads with minimum of 30mm thickness. (Primer is required)

PRODUCT DATA

Coverage	: Coverage: 2.5–3 m ² per 5 mm thickness per 25 kg bag. Coverage figures are theoretical, and due to wastage factors and the nature of possible substrates, practical coverage will be reduced.
Working Time	: Approximately 1 hour
Packaging	: 25 kg bag
Storage	: Store in a cool, dry place, away from direct sunlight
Shelf Life	: 12 months from manufacturing date

INSTRUCTION FOR USE

SURFACE PREPARATION

All surfaces must be smooth, sound and free from debris. Surfaces must be free from oil contamination. Concrete surfaces must be free from any trace of release oils and curing compound. Prior to application, pre-wet the substrate with clean water, especially for outdoor applications and during hot weather conditions. Surface roughening or mechanical chipping is required on smooth substrates.

Note: Do not re-temper or add water to partially hardened material

MIXING

Using a plastic container, place 4.5-5 liters of clean water in the container and add 25 kg of RAYCO RM50. Mix thoroughly using a slow speed electric drill fitted with paddle for 3 - 5 minutes until desired homogeneous paste is achieved. Depending on the ambient temperature and the desired consistency, the amount of water required may vary slightly but should not exceed 5.0 liters per 25 kg bag of RAYCO RM50. Always add powder to water.

HEALTH AND SAFETY

RAYCO RM50 is non-toxic but it is alkaline. A dust mask should be used when handling RAYCO RM50. Gloves should be worn during application. Refer to Material Safety Data Sheet for more information on Health and Safety.

WARRANTY

Due to different methods of applications, and the various properties of surfaces, we cannot assume responsibility or liability with regards to the application of our products. Our guarantee and liability are restricted to the quality of our products at the time of acceptance of the customer of such products. In no case, shall our liability extend beyond replacement of defective products, if any, found at the time of acceptance. For all deliveries and services, our General Sales Condition including warranties stipulated for each case is valid

