

# MBT RUSTKLEEN

Rust converter for rusted steel reinforcement in concrete repair situations

## Description

MBT RUSTKLEEN is an effective rust converter that when applied over rusted rebars, chemically converts the rust layer into black, protective iron phosphate.

## Uses

To eliminate the harmful rust from the steel reinforcement and to enable application of an appropriate protective primer while repairing corrosion damaged concrete.

## Advantages

- Works even in wet conditions
- Forms tough protective iron phosphate layer
- Improves bond strength with reinforcement protection primers
- Reduces the time and labour required for mechanical cleaning
- Easy to use in less accessible situations

## Typical Properties

Aspect	: Pale yellow liquid
Mixed density	: 1.45 kg/litre
Drying time	: 20 minutes
Over coating time	: 18 hours

## Specification Clause

Treat all the rusted reinforcement using MBT RUSTKLEEN, single component, water based, rust converter before treating with anti-corrosive primer. The rust converter shall be capable of forming tough protective layer of iron phosphate.

## Directions for use

### Surface Preparation

Remove dirt and contaminants on steel using detergent and water.

Mask the area surrounding the steel to be treated using polyethylene sheet and masking tape. Also mask any seams or depressions that could collect MBT RUSTKLEEN during treatment of rebars.

If steel is corroded heavily, remove the corrosion products on steel using wet sand blasting or wire brushing.

### Mixing

Mix MBT RUSTKLEEN with clear water in the ratio 1:3. Distilled water gives the best result. Apply MBT RUSTKLEEN onto the affected steel using, nylon scrub pad, spray or other such convenient tools.

Allow to dry.

Clean all the splashes and traces with clean water.

Apply CONGRESIVE ZRI or THORO STRUCTURITE PRIMER as corrosion protection primer.

## Coverage

One litre of diluted (1:3) solution shall be sufficient for 10 m<sup>2</sup> area.

## Packaging

MBT RUSTKLEEN is supplied in 5 kg pack.

## Storage and Shelf life

Store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment.

Shelf life is 12 months when stored as above.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice please consult BASF's Technical Services Department.

## Safety precautions

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use. Do not reuse containers for storage of consumable item. For further information refer to the material safety data sheet. MSDS available on demand or on BASF construction chemicals web site.

## Note

All BASF Technical Data Sheets are updated on regular basis; it is the user's responsibility, to obtain the most recent issue.

Field services where provided, does not constitute supervisory responsibility, for additional information contact your local BASF representative.

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