



# MATTE SEAL

TEKCEM MATTE SEAL provides a clear decorative sealer coat with high chemical and abrasion resistance to screed and concrete surfaces.



## OVERVIEW

TEKCEM MATTE SEAL is a two pack, high performance water dispersed epoxy resin coating.

TEKCEM MATTE SEAL is ideal for use in a wide range of environments where abrasion and chemical resistance is required.

TEKCEM MATTE SEAL is moisture tolerant and can be applied to dry or damp floors. Provides excellent adhesion to concrete, cementitious screeds and many other substrates.

TEKCEM MATTE SEAL provides a hygienic, easy to clean, clear surface.

## TECHNICAL DATA

Pot life at 20°C	90 minutes
Pot life at 10°C	150 minutes
Colour	Milky, dries clear
Tack free time at 20°C	6 hours
Application temp. min.	3°C
Application temp. max.	30°C
Time to dry at 20°C	14 hours
Coverage	4m <sup>2</sup> to 5m <sup>2</sup> per kg/coat
Temperature resistance	75°C dry, 65°C wet
Chemical resistance	Excellent

## BENEFITS

- May be applied to dry or damp surfaces
- Environmentally friendly, low odour, no solvents
- Easily applied
- Excellent resistance to water, oils, petrol, dilute acids, alkalis and many solvents
- Very good adhesion to concrete and other substrates
- Hygienic and easily cleaned
- Clear, displaying the substrate material colour
- Slip resistant options

## COVERAGE

Pack sizes	5kg and 10kg
Per kg	4m <sup>2</sup> +
Per 5kg unit	20m <sup>2</sup> +
Per 10kg unit	40m <sup>2</sup> +

## WARNING

Whilst the information provided in this datasheet is true and accurate to the best of our knowledge, it may contain information which is unsuitable under certain circumstances since materials, site conditions and method of application vary with each application.

TEKCEM LTD cannot be held responsible for any loss or damage due to incorrect use or from the possibility of variations in working conditions and/or workmanship beyond our control. The user alone is responsible for any consequences deriving from the product.

## TOOLS REQUIRED

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- Slow speed drill and paddle
- Squeegee or other suitable applicator

## SURFACE PREPARATION

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The surface of the substrate to be coated must be sound, clean and free from dust, laitance, oil and other contaminants. The substrate must be surface dry, with no standing water.

New concrete should be allowed to cure for a minimum of 28 days prior to application of TEKCEM MATTE SEAL.

The compressive strength of the substrate should be of a minimum of 25 MPa.

## MIXING

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Pour the entire contents of the resin into the curing agent in its container and thoroughly mix, preferably by mechanical means, until a uniform consistency is achieved and for no less than 2 minutes.

It is not usually necessary to thin TEKCEM MATTE SEAL, but if a lower viscosity is required it is possible to add a maximum of 20% of clean potable water, ensuring that this is thoroughly mixed. This will make application easier and coverage slightly better.

## APPLICATION

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TEKCEM MATTE SEAL can be applied by brush, roller or squeegee. A second coat should be applied after a minimum of 16 hours and less than 48 hours.

Apply a coat of TEKCEM MATTE SEAL at a nominal rate of 5m<sup>2</sup>/kg. An "open" or porous substrate may require a higher application rate. Ensure that an even and complete application is achieved.

## CURING AND OVERCOATING

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TEKCEM MATTE SEAL will be dry after 16 hours at 20°C and will be fully cured after 7 days. It is important during the curing period that there is good ventilation / air movement to facilitate evaporation of water.

## EQUIPMENT CLEANING

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Clean equipment with TEKCEM SOLCLEAN as soon as practically possible. Cured material will be difficult to remove from tools.

## LIMITATIONS

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The floor screed must be allowed to dry fully before applying TEKCEM MATTE SEAL. Failure to do this may result in bleed oils leaching from the screed during the sealer application process, which can cause visible staining.

Do not apply at temperatures of 3°C or less or if there is a risk of such temperatures within 12 hours of application. Do not apply to surfaces with standing water. Do not apply to previously sealed surfaces or surfaces that have been treated with other chemicals, such as water repellents. In such cases seek further advice or apply to a small trial area to assess suitability. After application the surface must not be subjected to water spills for at least 24 hours. Do not apply in enclosed or badly ventilated areas.

## HEALTH AND SAFETY

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Avoid contact of the material with skin and eyes. Wear gloves and goggles. Wash off splashes immediately with soap and water. Any eye contamination must be immediately irrigated with copious amounts of clean water and medical attention must be sought. Please refer to Material Safety Data Sheet for additional information.

TEKCEM MATTE SEAL must be applied strictly in accordance with the manufacturers instructions. Please dispose of packaging and waste responsibly.

## STORAGE & SHELF LIFE

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Twelve months minimum in original unopened containers and stored under correct conditions. Store in frost free, dry conditions at between 10°C and 25°C.