

RESIDENTIAL
& COMMERCIAL

INDUSTRIAL
& MARINE

ART
& CRAFT

SHIMICOAT
SURFACE SOLUTIONS



Pack Sizes

NO	Pack Size
1	2Kg
2	4Kg
3	20Kg

Description

EpoMatte EM655 is an easily dispersible inorganic metal complex and a proprietary additive for Epoxy, Acrylic, Urethane and Polyurea resins to increase the abrasion resistance and create micro-textured surface while reducing gloss and providing satin/matte finish surface.

Dosage of EpoMatte EM655 can vary from 10g/L to 20g/L or even significantly more for non-Epoxy resins (25% / 250gr/Lt) to achieve desirable degrees of matte or satin finish surface.

SHIMICOAT offers a comprehensive range of Flooring, Decorative and Slip Resistant coating materials. Shimicoat offers a wide range of resin coating materials to be used in conjunction with EpoMatte EM655 for your desirable finish surface that is attractive, hygienic, safe, functional, modern and economical.

EpoMatte EM655 is an easy to use DIY materials that can be added to any high gloss resin and convert it to Satin/Matte look with added benefits of more durability and textured surface, which feels good under bare feet.



MATERIALS



CHEMICALS



RESINS



EQUIPMENT

Ph: (08) 9364 7446 | info@shimi.com.au | ABN: 28 622 871 283 | www.shimi.com.au

Features

EpoMatte EM655 can be added to Epoxy, Acrylic and Polyurea resins to provide the following features:

1. Very easy to blend into resin and install
2. Increase the abrasion resistance of finished surface
3. Create micro-textured surface which feels good under bare feet
4. Reduce gloss and provide satin/matte finish surface
5. Ultra Durability acting as reinforcement into the body of resin
6. Ideally suitable with single or dual component systems
7. Economical

Usage

50g/L Epoxy Resin “Minimum Satin or Matte finish”

Dosage may be increased to 200g/L to achieve higher level of Matte Finish.

Poly Urethane and other non-Epoxy resins may require up to 25% (250gr/Lt) to achieve desirable Matte Finish appearance.

Applications

Mix into your resin.

Apply using Roller, Brush or Squeegee.

Mix regularly to avoid settlement of EpoMatte EM655, during application.

Preparations

Clean and dry surface. Ensure surface to be coated is free of all dirt, grease, oil, paint, curing agents and other contaminants. Removal of Oil Contamination by degreaser and alkaline cleaning pressure wash.

Acid-wash to enhanced surface porosity and etch the surface

Ensure moisture free surface. Allow to completely dry, run Dry Test. Place a piece of plastic over a small area, tape the edges and leave for 1 hour. Remove plastic, if there is no moisture on either surface, concrete is sufficiently dry.

Ideally, always consider surface grinding and removal of loose materials. Grinding is always advisable prior to application of all Shimicoat Epoxy products, to maximize adhesion.

For further information, please refer to SHIMICOAT Instruction for “Surface Preparations”.

Specifications

EpoMatte EM655 contains Inorganic Compounds in white colour and available in many grit sizes to provided added benefit of Slip Resistant properties and comply with Australian Standard Slip Resistant codes.

Direction

EpoMatte EM655 is engineered to be used as Matting agent additive in Epoxy, Acrylic, Urethane and Polyurea.

SHIMICOAT EpoMatte EM655 is used to convert high gloss epoxy resin into satin or matte finish. EpoMatte EM655 can be used in Epoxy, Acrylic, Urethane and Polyurea resins. The product is added to any of SHIMICOAT Clear or Tinted Epoxy Resin/Part A. Mix for 2-3min to ensure ideal suspension. Add the required amount of Curing Agent/Part B followed by mixing and application to your surface.

Add into paint/resin at a rate of 10-20gr/Lt and apply using Roller, Brush or squeegee. Constantly mix to maintain suspension of EpoMatte EM655 and infirmity of the pot. While someone is applying the product onto the surface, another installer should go over the floor and back-roll and cross-roll and ensuring the entire surface is being coated evenly.

SHIMICOAT EpoMatte EM655 is suitable for use in residential, commercial and industrial areas providing a long-lasting Satin or Matte finish surface.

Why is Slip Resistant Flooring important for Homes

EpoMatte EM655 can also be used to enhance durability known as Ultra Durability Plus (UDP) of any resin. SHIMICOAT offers EpoMatte EM655 in many grit sizes to allow installers achieving combo properties of matte finish as well as slip resistant finish surface together in one coating application.

Although many homeowners prefer installing finely polished shiny tile floors, hardwood floors or gorgeous looking granite, these materials always come with the risk of causing potentially dangerous slips and trips. We all know that smooth floors are easier to slip on, particularly when water is spilled. The condition can worsen, particularly when children and seniors are involved. This emphasizes the need to consider a slip resistant floor that can replace hazardous flooring and increase traction, especially for certain areas exposed to rain or high traffic such as entries, balconies, steps, etc.

Most homes feature hard flooring that includes vinyl, linoleum, ceramic smooth tile, smooth stone, concrete and others in some part of the home interior like the bathroom, laundry, kitchen and even garage. These areas are more prone to slips and trips as the chances of water spillage are higher.

What to do:

When it comes to young children and an aging population, it is especially important to create an accident-free home. One of the first areas that can be addressed is by eliminating any types of slip inducing flooring and replacing them with a safer option.

One option to consider is SHIMICOAT range of decorative polyaspartic and epoxy coatings. SHIMICOAT provides a unique and decorative alternative to tile and other flooring. With added benefits of EpoMatte EM655, these "Rolled" floor coatings can be applied over old and new concrete and other substrates, providing the home owner with a choice of beautiful colours and a finish that is both slip-resistant, durable, modern, hygiene and functional.

Benefits:

- SHIMICOAT floor coating materials can be applied on concrete and other hard surfaces enhancing the look and feel of the floor.
- EpoMatte EM655 can be added to eliminate the risk of slip in any wet area.
- SHIMICOAT floor coating solutions work effectively in all conditions such as greasy, wet or dry floors with the addition of EpoMatte EM655.
- Our products are easy and fast to apply - even in a day (depending on the size of the area). There is no need to wait long for the floor to dry, one day application, one day curing. Rapid fast "Return to Normal".
- Anti-slip treatment can be effective for five years and over, reapplication is easy and economical.

The slip resistance test classification and the mean angle of inclination:

SHIMICOAT implement Australian Standard for characterization of surface materials and determination of friction factors under wet and dry conditions.

This Standard is also intended for evaluating surface applications and treatments including products such as sealers, polishes and etchants which may modify the surface characteristics of pedestrian surfaces.

The method for the measurement of wet slip resistance being used for external and internal pedestrian surfaces and those pedestrian surfaces that have a reasonably foreseeable risk of the presence of wet substances such as water, grease and oil.

For further information please contact our technical team at SHIMICOAT Pty Ltd.

WARNING

Keep out of reach of children

Read Safety Material Data Sheet (MSDS) of the product prior to use

Never use Epoxy under direct sunlight as it may chalk and yellow over time

Storage

The products shall be stored out of direct sunlight and heat at all times. The shelf life of the product is 24 months.

DISCLAIMER

Material Safety Data Sheet, Technical and Environmental Data Sheet can be provided upon request.

The information provided in this document is guidance only and considering the uses of this product are beyond the seller's control, the product is sold without guarantees or warranties. Warranties and guarantees shall be governed by SHIMICOAT Standard Terms of Sale. The purchaser shall make its own tests to determine the suitability for their specific application, and Shimicoat Pty Ltd is taking no responsibility for misuse of the product. The purchaser assumes all risk of use and handling of this product. This product will be happily replaced or credited back if defective. Beyond this, Shimicoat Pty Ltd is not liable for any damages caused by this product or its use.

This information and all further technical advice are based on our present knowledge and experience.

The customer is not released from the obligation to conduct careful inspection and testing of supplied goods.