

EC358 | Epoxy Coating for Asphalt and Tarmac | Anti Slip



golden
yellow



office
red



black

While care is taken with the colour samples shown, no guarantee can be given that they represent exactly the colours offered.

Description

Rizistal EC358 Epoxy Anti Slip Coating for Asphalt and Tarmac is a fast curing and an extremely durable coating system, which provides safety under foot in wet or slippery conditions.

It can be used to overcoat large areas of sound asphalt and tarmac, or be used to create demarcation hatching or line marking.

Rizistal Epoxy Anti Slip Floor Coating for Asphalt and Tarmac has extremely high bonding characteristics and can also be used to overcoat prepared concrete, ceramic, wood or previously painted floor areas.

Rizistal Epoxy Floor Coating for Asphalt and Tarmac is an ideal surface finish for interior and exterior areas including; roads, car parks, warehouses and industrial floors of all types.

Benefits

2 grades of aggregate for safety under foot for pedestrians and heavy traffic.

Excellent wear and abrasion resistance.

Excellent chemical resistance to both acid and alkali based chemicals.

Can be applied using a roller or paint brush.

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Can be used in conjunction with Rizistal Epoxy Asphalt and Tarmac Repair Mortar.

Coverage

For asphalt approx. 12m² to 15m² per 5kg.

For tarmac approx. 5m² to 10m² per 5kg depending on substrate quality and imperfections.

One coat is generally sufficient for most applications, however, if ease of clean is important for the newly applied system, a second coat without aggregate broadcast is recommended.

Storage

Store at an ambient temperature above 5°C and at above 12°C for approximately 8 hours prior to use.

Surface Preparation

Asphalt or tarmac should be thoroughly cleaned, dry and free of loose material. Remove any contaminants including ingrained or surface dirt or oil with RizistalClean degreaser detergent, thoroughly rinse and allow to dry.

Other surfaces including concrete to be treated must be dry and cured for a minimum of 4 weeks. Concrete must be free of any surface laitance and contaminants, and have an effective DPM to prevent rising dampness.

Hand floated or power floated concrete or any concrete with a smooth surface should be abraded prior to application to provide a key to ensure that the coating bonds well.

All dust should be vacuumed away prior to application and loose or friable surface material should be removed.

Working Time

30 to 40 minutes depending on ambient temperatures. Higher ambient temperatures will reduce the pot life. Always decant into a shallow tray, to extend working time.

Curing Time

After installation, this product must be kept clean and dry for 12 to 18 hours (depending on ambient temperatures), otherwise the product performance will be seriously affected, which may result in discolouration and lack of cure.

This product will cure in 6 to 8 hours at 15°C to accept light traffic or a second coating. Full chemical and wear resistance is achieved over 5 to 7 days in similar ambient temperatures.

Temperatures below 10°C will slow down the curing of the product. Temperatures below 5°C will arrest curing. Water or chemicals should not be allowed to lie on the surface for at least 7 days. Avoid washing the floor for 7 days after coating.

Anti Slip Properties

2 grades of extremely hard wearing anti slip aggregate is available; medium and coarse

When installed as directed, it is classified as Low Slip Potential Flooring (>40 PTV using the pendulum test method) in both wet and dry conditions.

Testing was carried out and results assessed as described in 'The Assessment of Floor Slip Resistance: The UKSG Guidelines issue 4 / 2011'.

Results were obtained from tests carried out from our own internal laboratory tests.

Continued slip resistance can only be maintained if the guidelines in the HSE's STEP tool (Slips and Trips eLearning Package) are followed.

All figures are measured and expressed under laboratory conditions: Actual performance may vary from the above values depending upon site conditions.

Mixing

Empty all of the contents of the smaller hardener tin into the larger resin tin, taking care to scrape the entire contents.

Mix the components together very thoroughly using a Rizistal Mixing Paddle attached to an electric drill. Continue mixing until an even colour and consistency is obtained. Do not mix more than one unit at a time.

Installation

For best results mix and install in warm conditions (minimum 15°C). This will ensure its optimum viscosity. Apply the entire pack using a medium, non shedding pile roller (not foam) or paint brush in one coat.

As the coating roller application proceeds, broadcast the anti-slip aggregate, lightly and evenly by hand over the coating surface and immediately "back roller" the surface to encapsulate the aggregate into the resin. This will produce the designed finish.



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If a second coat is required it must be applied within 12 hours to ensure floor coating adhesion.

Chemical Resistance

This floor coating cures to a very hard, impervious, gloss finish that will resist strong acid and alkali based chemicals. As with all high build gloss paint systems, scratching of the surface could occur due to movement of point loads and impacts.

Temperature Resistance

Will withstand temperatures up to 60°C in both operating and cleaning activities.

Hazards

Once the contents of the pack have been mixed a chemical reaction takes place which creates heat (exotherm), and the product should therefore be used immediately.

Food products must be removed from the area during application and cure, to avoid the risk of taint.

The smooth coating can become slippery under certain conditions, therefore the Anti Slip version is recommended for slippery areas.

Cleaning Equipment

Equipment used for mixing and applying the Epoxy Floor Coating should be wiped clean with Rizistal Safer Solvent or a similar solvent before the mortar cures.

Shelf Life

An unopened pack will last 12 months.

Safety

Avoid contact with the skin. Barrier creams or gloves should be used. Cleansing creams should also be used after accidental contact with the skin and / or washing with plenty of soap and hot water.

Accidental contact with the eyes should be treated by flushing with water and medical advice sought. A detailed Material Safety Data Sheet is available which contains further advice.

General Maintenance

When fully cured, acid and alkali detergents or degreasers may be used to clean the surface. Always follow manufacturer recommendations.

Ordering

Available from Rizistal online at www.rizistal.co.uk.

All Rizistal products are sold subject to Rizistal's terms and conditions of sale.

For help and expert technical advice, please contact the Rizistal Support Team, who are backed by many years of experience within the flooring industry; enquiries@rizistal.co.uk.

Contracting Service

Rizistal offers a contracting service via their sister company, John Lord Specialist Flooring, who operate throughout the UK, using their own highly experienced teams.

Rizistal will be happy to provide quotations for any large project, involving their repair and protect products. Email us your project details so a member of the Contracting Team can contact you to discuss your requirements, and see if it fits within the John Lord Contracting minimum criteria.

