



DRI-GRIP 99

High Performance, Anti-Slip Floor Coating

DRI-GRIP 99 is a three-component, premium grade anti-slip floor coating. It is formulated with polyurethane, glass bead aggregates and other additives to resist fading and withstand harsh tropical weathering and ultraviolet rays – making it an effective & durable system

Able to be applied on various surfaces, including wood floors, tiles, concrete, cementitious substrates, steel substrates, and so on.

FEATURES/BENEFITS

- ✓ Colourless (Translucent)
- ✓ UV-Resistant
- ✓ Tough & durable
- ✓ Easy application to minimize site application errors
- ✓ Excellent anti-slip properties

APPLICATION AREAS

- ✓ Wood floors
- ✓ Tiles
- ✓ Concrete
- ✓ Cementitious substrates
- ✓ Steel substrates



DRITECH CHEMICALS SDN. BHD. (1184082-K)

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Product Data

Appearances / Colors	Colourless
Packaging	1 L set
Storage	12 Months from date of production
Storage Condition	Dry conditions at Temperature between 5-35 °C

Technical Data

Origin	Aliphatic Polyurethane + aggregates blend
Consumption	Approx. 0.1 L/m ² <i>(Note: Consumption increases with substrate absorbance)</i>
Chemical Resistance	Resistant against many chemicals. Please ask for a detailed chemical resistance table.
Pot life	1 – 2 hours <i>(Note: Pot life decreases at higher temperatures)</i>

Application conditions

Substrate temperature	10-35 Degree Celsius																
Ambient Temperature	10-35 Degree Celsius																
Substrate Moisture Content	<4% moisture content with no rising moisture. No standing water/condensation on the substrate																
Relative Air Humidity	Max. 80%																
Dew point	Surface temperature must be +3 Degree Celsius above dew point																
Curing Time	Before applying DRI-FLOOR AS 200 on other PU flooring systems: <table border="1"> <thead> <tr> <th>Substrate Temperature</th> <th>Minimum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>+ 10 °C</td> <td>36 hours</td> <td>-</td> </tr> <tr> <td>+ 20 °C</td> <td>24 hours</td> <td>-</td> </tr> <tr> <td>+ 30 °C</td> <td>16 hours</td> <td>-</td> </tr> </tbody> </table> <p>Note: No max. waiting time if fully broadcast surface is free from all contaminations. Times are approximate and will be affected by changing ambient conditions, such as temperature & relative humidity.</p>	Substrate Temperature	Minimum	Maximum	+ 10 °C	36 hours	-	+ 20 °C	24 hours	-	+ 30 °C	16 hours	-				
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SUBSTRATE

New concrete should be cured for at least 28 days and should have a pull-off strength $\geq 1.5 \text{ N/mm}^2$. Cement or mineral based substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and to achieve an open textured surface. Loose friable material and weak concrete must be completely removed and surface defects such as blowholes and voids must be fully exposed. Substrate must have sufficient gradient for surface water to run off easily without ponding water. Prior to application, ensure substrate moisture content, relative humidity, and dew point is within limits. If moisture content is $> 4\%$ pbw, a suitable moisture tolerant system (e.g. **DRI-FLOOR MT 1100**) may be required. Please contact Dritech Chemicals Sdn. Bhd. for more information.

When applied on existing used floors (including tiles and wood floor surfaces), ensure the surface is cleaned properly with minimal dirt, and existing coating (if any) is well bonded prior to the application of **DRI-GRIP 99**. This is to ensure optimum bonding between the coating and the surface.

MIXING

Mix full kits only. Prior to mixing, stir part A mechanically. When all of part B has been added to part A, mix continuously for 3 minutes until a uniform mix has been achieved. To ensure thorough mixing, pour materials into another container and mix again to achieve a consistent mix. Over mixing must be avoided to minimize air entrainment.

Add the aggregates (Part C) into the mixture and stir. The more aggregates added into the mixture, the higher anti-slip performance of the floor.

APPLICATION

Apply by foam roller while continuously mixing the mixture to ensure the aggregates are being picked up by the roller.

After 1st coat of application, wait until coating has started to form a tacky surface (~15 minutes, depending on environmental conditions) and back roll to achieve an even textured surface.

LIMITATIONS

- ❖ Do not apply on substrates with rising moisture. Freshly applied coatings should be protected from damp, condensation and water for at least 24 hours.
- ❖ For external applications, always apply during falling ambient and substrate temperature. If applied during rising temperatures, pin holes may form due to the rising air.
- ❖ Avoid puddles on the surface with the primer.
- ❖ **DRI-GRIP 99** applied at different thicknesses can lead to different degrees of matt finish.
- ❖ Under certain conditions, underfloor heating combined with high point loading may lead to imprint in the resin. If heating is required, do not use gas, oil, paraffin or other fossil fuel heaters that produce large quantities of CO_2 & H_2O vapour as it may adversely affect the finishing. For heating, use only electric powered warm air blower systems.
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HEALTH & SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTE

The information, and, in particular, the recommendations relating to the application and end-use of these products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance to the manufacturer recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. The manufacturer reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.