DIAMOND GRIND

Diamond grinders use horizontally rotating discs to clean, level and smooth the concrete surface. The discs are encrusted with industrial diamonds (hence the name), which abrade the surface. Most diamond grinders have full vacuum extraction that will significantly reduce the level of dust produced by the grinding process.

Well-executed diamond grinding completely removes laitance and levels off imperfections on the concrete surface. This method produces a flat, smooth surface with a profile ideal for all coatings applied by roller or applicator.

SHOT BLAST

Shot Blasting is a one-step preparation technique that removes laitance, paint, old coatings, dirt and other contaminants at once. The bits of steel shot bounce off the concrete surface at high velocity, breaking up and removing the top layer, including the laitance. The concrete surface produced by the blasting process is clean enough for the next step of preparation to proceed. The use of fine shot will produce a concrete profile suitable for nearly all coating types.

ACID ETCH

Acid etching involves the reaction of dilute hydrochloric acid with the concrete surface, then rinsing off with water. The acid dissolves surface laitance and other water-soluble contaminants and lightly etches the surface. CAUTION: Acid etching does not remove water insoluble solids, oily deposits or curing compounds. Even if run-off water contains no trace of acid, the acid may still be dangerous to breathe. Make sure that the acid is applied and rinsed properly, and always wear a mask or respirator for this job. Acid etching can be used to remove laitance from concrete, but it is not effective for removing all laitance. It may not remove all laitance. While the acid must be completely removed, residual acid is difficult to detect. Even when done properly, acid etching is only adequate for light duty floor coatings. Given the risks with this method, Dulux® DOES NOT ENDORSE ACID ETCHING.

RECTIFICATION

Any cracks, mud holes and other imperfections in the concrete floor should be cleaned out and filled using Luxepoxy® Filler, a 100% solids, two pack epoxy filler. This filler won’t shrink, so it can be tooled off flush with the concrete surface. Filling an expansion joint or other crack isn’t a good idea, as it can cause the joint to open with temperature changes and put stress on the floor. Make sure that the joint is properly filled and not overfilled, as any unevenness will show through the coating.

The Luxafloor® floor coating range is versatile, user friendly and includes water-borne and solvent-borne epoxies, a clear solution acrylic and polyurethanes offering exceptional application and flow characteristics and exterior durability.

Luxafloor® floor coatings are easy to apply and are equally suitable for new and refurbishment work. This range is particularly suited for the protection and decoration of concrete floors in plants, factories, warehouses, back of house areas and retail spaces.
The Dulux® Protective Coatings Luxafloor® Colour Chart is a selection of colours available across the entire Luxafloor® floor coating range.

Others, including Dulux World of Colour and AS2700 colours, can be matched with our tintable Luxafloor coatings. Always check the product data sheet or consult your Dulux Representative before selecting colours, as some Luxafloor® products are tintable, while others are only available in the colours nominated on the product data sheet.

Luxafloor® products vary in gloss level, depending on the resin type and formulation. Please note that this gloss indicator is merely a guide, as the gloss level of your painted floor can vary depending on existing surface profile and porosity, application method and ambient conditions at time of application and drying.

All Dulux® Protective Coatings products and colours are lead-free and chromate-free. Some colours containing red and yellow pigments may have lower opacity than their lead-based and chromate-based equivalents, and therefore products containing these colours may require an additional coat or two to achieve full opacity.

Paint may dry darker compared to a wet sample and may appear darker or lighter on larger areas.

Light source (ie incandescent, fluorescent, halogen or natural light) and brightness can also greatly influence colour perception. Colour variations may occur from product to product, due to several factors, mainly resin type and gloss level differences. The higher the gloss, the darker and more saturated the perceived colour.

Whilst every effort has been made to accurately match the colours represented on this colour chart with the actual product colours, Dulux Protective Coatings advises that there may be colour variations due to differences in the technology used to produce colour chart chips and flooring products.

When using tinted products ensure all containers have been tinted to the correct colour before use. It is recommended that all containers are boxed together before use to ensure colour consistency. It is the Applicator’s responsibility to check that the correct colour has been supplied. Dulux assumes no responsibility for application of an incorrect colour.

### Gloss Indicator

<table>
<thead>
<tr>
<th>Low Sheen</th>
<th>Semi Gloss</th>
<th>Gloss</th>
</tr>
</thead>
</table>

### About Colour

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### Luxafloor® Colours Chart

<table>
<thead>
<tr>
<th>Colour Name</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Dulux White</td>
<td>Pale Earth</td>
<td>Light Leather</td>
</tr>
<tr>
<td>Light Olive</td>
<td>Tern Capsule</td>
<td>Deep Clay</td>
</tr>
<tr>
<td>Duluxe White</td>
<td>😝</td>
<td>ordo White</td>
</tr>
<tr>
<td>Mocha Brown</td>
<td>Clove</td>
<td>Jannet</td>
</tr>
<tr>
<td>Young Turk</td>
<td>Rosey</td>
<td>Saints</td>
</tr>
<tr>
<td>Adobe</td>
<td>Signal Red</td>
<td>B10</td>
</tr>
</tbody>
</table>

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<tr>
<td>Spanish Olive</td>
<td>Caribbean</td>
<td>Apple</td>
</tr>
<tr>
<td>Honeycomb</td>
<td>Blue Roses</td>
<td>Ice Cream</td>
</tr>
<tr>
<td>Spanish Olive</td>
<td>Camel</td>
<td>Garden</td>
</tr>
<tr>
<td>Limed White</td>
<td>Biscuit</td>
<td>Lemon Yellow</td>
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<tr>
<td>Moxa</td>
<td>Pelaco</td>
<td>Powered Rock</td>
</tr>
<tr>
<td>Paving Stone</td>
<td>Koala Grey</td>
<td>Warm Granite</td>
</tr>
<tr>
<td>Missouri Mud</td>
<td>Excelsior Tadpole</td>
<td>Oyster Linen</td>
</tr>
<tr>
<td>B41</td>
<td>Balm</td>
<td>Organic</td>
</tr>
</tbody>
</table>