



FEATURES/BENEFITS

- ✓ Water-based
- ✓ Solvent free
- ✓ Easy application
- ✓ Able to be diluted with water
- ✓ Good chemical & mechanical resistance
- ✓ Water vapour permeable
- ✓ Odourless
- ✓ Wide range of colours available

DRI-FLOOR WB 1280

High Performance, 2-Part Water-Based Glossy Epoxy Coating

DRI-FLOOR WB 1280 is a 2-part, water dispersed, solvent free, glossy, coloured, epoxy resin based coating.

DRI-FLOOR WB 1280 has easy application and is suitable to be used as a coloured sealer coat for various substrates, including concrete, interior wall surfaces, cementitious substrates, and so on. It has good mechanical & chemical resistance, and may be used in areas such as warehouses, garages, production areas.

APPLICATION AREAS

- ✓ Production areas
- ✓ Warehouses
- ✓ Car park decks
- ✓ Garages
- ✓ Interior walls



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Product Data

Appearances / Colors	Colours can be produced upon request
Packaging	25kg set (Mixing ratio = color:4:1 / transparent: 3:1)
Storage	12 months from date of production
Storage Condition	Dry conditions at temperatures between +20°C to +30°C.

Technical Data

Origin	Water based epoxy	
Density	Approx. 1.22 kg/l (mixed resin at +23°C)	
Chemical Resistance	Resistant against many chemicals. Please ask for a detailed chemical resistance table.	
Pot life	Temperature	Time
	+ 20 °C	~ 120 min.
	+ 30 °C	~ 60 min.
Thermal Resistance*	Exposure	Dry Heat
	Permanent	+50 °C
	Short-Term (<7 days)	+80 °C
	Short-Term (<8 h)	+100 °C

* Short-term moist/wet heat up to +80°C where exposure is only occasional (steam cleaning, etc.)

* No simultaneous chemical & mechanical exposure.

Application conditions

Substrate Temperature	10 – 30 °C
Ambient Temperature	10 – 30 °C
Substrate Moisture Content	<6% 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°C above dew point.
Waiting Time / Overcoating	Before applying DRI-FLOOR WB 1280 on DRI-FLOOR EP 1080 :

Substrate Temperature	Minimum	Maximum
+ 20 °C	12 hours	2 days
+ 30 °C	6 hours	1 day

Before applying 2nd or more coats of **DRI-FLOOR WB 1280**:

Substrate Temperature	Minimum	Maximum
+ 20 °C	15 hours	5 days
+ 30 °C	10 hours	3 day

Note: Times are approximate and will be affected by changing ambient conditions, such as temperature & relative humidity. When relative air humidity is >80%, the waiting time is increased by at least 24 hours.

Traffic condition	Temperature	Foot Traffic	Light Traffic	Full Cure
	+ 20 °C	~ 15 hours	~ 3 days	~ 7 days
	+ 30 °C	~ 10 hours	~ 2 days	~ 5 days

Note: Times are approximate and will be affected by changing ambient conditions.

SYSTEM STRUCTURE

Surface	Normal Exposure	Heavier Exposure
Normal Absorbency	Primer: 1 x DRI-FLOOR WB 1280 (+5% water if necessary)	Primer: 1 x DRI-FLOOR EP 1080
	Body: 2 x DRI-FLOOR WB 1280	Body: 3 x DRI-FLOOR WB 1280
Strong Absorbency	Primer: 1 x DRI-FLOOR EP 1080	Primer: 1 x DRI-FLOOR EP 1080
	Body: 2 x DRI-FLOOR WB 1280	Body: 3 x DRI-FLOOR WB 1280

❖ Note: In cases with high aesthetic or in certain light colour shades, the total top coats may be increased to 3 coats, with a total consumption of more than 0.35 kg/m². Waiting times during application may lead to visible markings.

CONSUMPTION

Coating System	Product	Consumption
Priming	DRI-FLOOR EP 1080	Approx. 0.30 kg/m ²
	DRI-FLOOR WB 1280 (+5% water)	Approx. 0.25 kg/m ²
Sealer Coat (Smooth)	2-3 x DRI-FLOOR WB 1280	Approx. 0.25 kg/m ² per coat

SUBSTRATE

New concrete should be cured for at least 28 days and should have a pull-off strength ≥ 1.5 N/mm². The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings, surface treatments, etc. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum. If in doubt, apply a test area first. 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. Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed. Repairs should be done using appropriate products such as the DRI-PATCH series. The concrete/screed substrate must be primed or levelled in order to achieve an even surface. High spots must be removed (e.g. grinding).

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.

APPLICATION

Prior to application, ensure substrate moisture content, relative humidity, and dew point is within limits.

Primer:

Ensure a continuous, pore free coat covers the substrate. If necessary, apply 2 priming coats. Always apply by brush when using **DRI-FLOOR WB 1280** as a primer.

Sealer Coat:

DRI-FLOOR WB 1280 is spread evenly by means of a short pile roller. A seamless finish can be achieved if a "wet" edge is maintained during application. **DRI-FLOOR WB 1280** can also be applied by airless spray (spray pressure approx. 300 bar, nozzles with a diameter of 0.53 mm / 0.021 inch and a spray angle 60°). Uneven application of the material and resulting differences in the coating layer thicknesses may cause differences in "gloss" of the surface.

MAINTENANCE

To maintain the appearance of the floor after application, **DRI-FLOOR WB 1280** must have all spillages removed immediately and must be regularly cleaned using rotary brush, mechanical scrubbers, scrubber dryer, high pressure washer, wash and vacuum techniques, etc. using detergents and waxes.

LIMITATIONS

- ❖ Do not apply **DRI-FLOOR WB 1280** on substrates in which significant vapour pressure may occur. Freshly applied **DRI-FLOOR WB 1280** should be protected from damp, condensation and water for at least 24 hours.
- ❖ Avoid puddles on surface with the primer.
- ❖ Always ensure adequate fresh air ventilation when using **DRI-FLOOR WB 1280** in confined spaces to avoid curing problems.
- ❖ The “gloss” of the finish can vary with temperature and the absorbency of the substrate.
- ❖ The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.
- ❖ For exact colour matching, ensure the **DRI-FLOOR WB 1280** in each area is applied from the same control batch numbers.
- ❖ For spray application, the use of protective health and safety equipment is mandatory.
- ❖ As water-based epoxy material application is very sensitive, differences in humidity, temperature, curing & application time may cause a difference in the colour shade.
- ❖ Epoxy materials may yellow under UV-exposure. However, this does not affect the functional performance of the coating.

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.