

ENDURABOND FLOORSHIELD SL

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POLYMER GROUP LTD

DESCRIPTION:

ENDURABOND FLOORSHIELD SL is a high performance, 100% solids, self levelling epoxy coating for application to concrete floors.

RECOMMENDED USE:

As an aesthetic epoxy coating where a high degree of resistance to impact, abrasion, and chemical resistance are required. Provides a seamless, decorative surface. May be applied with a non-skid aggregate finish if required. Typical areas where this coating is used are:

Hospitals
Canteens
Factories
Laboratories
Schools
Warehouses
Stores
Showrooms
Industrial kitchens
Supermarkets

TECHNICAL INFORMATION:

Solids (% by Vol.)	100%
Specific Gravity	1.3 (After mixing)
Flexibility	Good
Water Resistance	Excellent
Temperature Resistance	Very Good
Chemical Resistance	Very good
Abrasion Resistance	Very Good

APPLICATION DATA:

Application methods: Roller and brush for a thin film paint type finish, or rubber or steel notched trowel and/or roller followed by spiked roller to assist de-aeration when used as a thick film self-levelling topping.

Mixing Ratio:

Supplied as pre-weighed 15 litre kits
Mix ratio: 2.5 : 1 parts resin : hardener by volume.

Mixing: Thoroughly power mix for minimum 3 minutes, scraping the sides and bottom of the mixing container regularly. Avoid air entrapment. Box mix for optimum mixing.

Pot Life: 30 minutes at 25°C. Dump immediately onto the floor after mixing. Do not let mixed material stand in the mixing pail.

Clean-up Solvent: Thinner P2

APPLICATION:

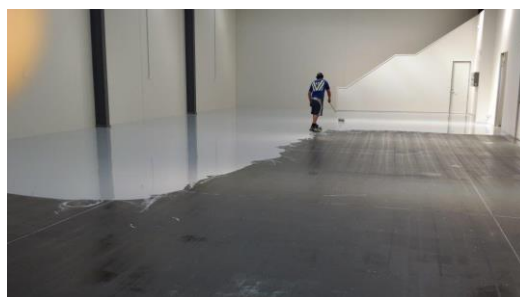
The temperature of the substrate should be minimum 10°C and minimum 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate.

DRYING TIME:

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with:

- * Good ventilation
- * Recommended film thickness
- * One coat on primed substrate

Temperature	Surface Dry	Hard Dry (foot traffic)
10°C	36 h	72 h
25°C	16 h	24 h
35°C	12 h	18 h



Colours AS2700

N24 Silver Grey, N22 Cloud Grey,
N63 Pewter, X42 Biscuit, X43 Beige, Y56 Merino, Y34 Cream & N14 White.
Other colours upon request.

If recoating is required, to ensure maximum intercoat adhesion, the subsequent coat must be applied before the preceding coat is cured. If this time is exceeded it may be necessary to abrade and solvent wipe the surface. Consult Polymer Group Ltd for further details.

The above data must be considered as guidelines only. Actual drying time can only be decided at site, depending on numbers of coats, temperature etc.

TYPICAL RECOMMENDED SYSTEM:

FLOORSHIELD Primer (solvent free, clear, unpigmented):

Mix ratio: 2.5 : 1 parts resin : hardener by volume. Add up to 10% Thinner P2 to assist rolling and flow.

5 to 6 m²/litre depending on concrete substrate.

Allow primer to become tack free before application of the Floorshield SL Topcoat.

FLOORSHIELD SL Topcoat:

1) High build paint finish: 300 to 500 microns DFT (0.3 to 0.5mm). Use mixed A plus B.

2) Self-levelling topping: 2mm to 3 mm coating thickness. Use mixed A plus B without any sand filler.

3) High build self-levelling topping: 3 to 6 mm coating thickness. Use mixed A plus B plus an equal volume of washed and dried silica sand (0.5 to 1.0mm).

Special application methods are possible to achieve enhanced non-skid finish. Consult Polymer Group Ltd for specific advice.

Coverage:

1) As a roll on high build coating: 0.3 to 0.5 litres per sq.m for 0.3 to 0.5mm DFT

2) Self-levelling topping without sand filler: 2 litres of mixed A + B covers 1 m² at 2 mm thickness

3) Self-levelling topping with sand filler: 1.5 litres of mixed A + B plus 1.5 litres of silica sand covers 1m² at 2 mm thickness.

Storage:

The product must be stored in accordance with national regulations. Preferred storage conditions are to keep the containers in a dry space provided with adequate ventilation. The containers should be sealed tightly.

Handling:

Handle with care. Stir Part A well before use if using part quantities.

HEALTH AND SAFETY:

Please observe the precautionary notices displayed on the container. Apply in well-ventilated conditions. Use an approved canister mask when any solvents are involved. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleaner, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

For detailed information on the health and safety hazards and precautions for use of this product, please refer to the Material Safety Data Sheet.



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