

PRODUCT DESCRIPTION:

DUREX FLOOR SEAL is a high quality water based, 100% acrylic, concrete floor sealer. **DUREX FLOOR SEAL** is available in two concentrations: **FLOOR SEAL 15** for porous surfaces and for surfaces where a matte finish is desired; **FLOOR SEAL 25** for a more dense surface and for surfaces where a glossier finish is desired.

USES:

DUREX FLOOR SEAL has been formulated for general sealing of interior and exterior concrete floors.

DUREX FLOOR SEAL is also an excellent sealer for portland cement terrazzo, unglazed quarry tile, brick pavers and interlocking stone pavers.

ADVANTAGES:

DUREX FLOOR SEAL provides the following features:

- water based non-toxic - easy to handle

- excellent dust proofing properties
- excellent resistance to mild acids
- excellent resistance to penetration of gasoline, oil, chloride and water
- not affected by ultra-violet rays
- very economical compared to solvent based sealers
- re-coatable (does not promote delamination)
- excellent compatibility with all cement surfaces

LIMITATIONS:

- do not apply when ambient, surface and material temperatures are less than 5°C (41°F) during application and curing period
- do not apply for a minimum 48 hours after a heavy rain
- do not apply if rain is forecast within 24 hours after application
- not recommended for vertical applications

TECHNICAL DATA

Physical Properties:

Product type:	Aqueous acrylic sealer
Appearance:	Milky beige white liquid
Viscosity:	100-200 cps
Ph level:	8.6 to 9.2
Toxicity:	Non-toxic
Shelf life:	2 years

Performance Characteristics:

Minimum film thickness	0.8 mils (20.3 microns) @ 7.4 m ² /L (300 ft ² /gal.)	
Minimum film forming temp:	5°C (41°F)	
Drying time:	1 hr (20°C)	
Full cure time:	3 days (20°C)	
Adhesion to concrete:	ASTM 4541	Concrete failure
Weathering:	ASTM G-53	500 hrs UV - non yellowing Chalk resistance no blistering
Coverage:	Porous concrete	5 - 7 m ² /L (200 to 300 ft ² /gal.)
	Smooth concrete	6.0 - 8.5 m ² /L (250 to 350 ft ² /gal.)

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CONCRETE RESTORATION
CONCRETE FINISHES

Comparison between Durex Floor Seal and Commercial Solvent Base Sealers:

	Durex	Commercial Solvent Base Sealer
One coat gloss	VG	VG
Levelling	EXC	EXC
Recoat gloss	EXC	EXC
Water resistance 1 day	EXC	EXC
7 days	EXC	EXC
Detergent resistance (1-20 forward)		
2 days, 200 cycles	EXC	EXC
Gasoline resistance (unleaded)		
Spot test 1 day	G-VG	GOOD
7 days	G-VG	GOOD
Rub Test 1 day (50 rubs)	EXC	EXC
7 days (100 rubs)	EXC	EXC
Oil penetration resistance		
Spot test 1 day	EXC	EXC
7 days	EXC	EXC
Tire pick up resistance		
Adhesion	F-G	POOR
% film intact	40	10
Abrasion resistance (tabor)	VG	VG

APPLICATION:

DO NOT SUBSTITUTE NOR COMPENSATE **DUREX FLOOR SEAL** WITH OTHER ADDITIVES.

Thoroughly stir **DUREX FLOOR SEAL** before each use. Discard all frozen materials, materials which have formed solid lumps at the bottom of the container and materials which do not appear to be of a homogeneous viscosity.

Surfaces to be treated must be dry, clean and sound, free from ice, snow, dew and frost and all dust, dirt, oil, grease and other deleterious materials detrimental to a positive bond.

CHECK WITH **DURABOND PRODUCTS LIMITED** FOR QUESTIONABLE SURFACES.

Apply **DUREX FLOOR SEAL 15 and 25** undiluted directly to the surface with a low pressure sprayer, or with a roller, brush, squeegee or any other method which would ensure good penetration into the substrate and with an even coverage of the sealer.

For porous surfaces apply minimum two (2) coats. Apply first coat of **DUREX FLOOR SEAL 25**. Allow the sealer to soak well into the surface. Apply a second coat of **DUREX FLOOR SEAL 25** if a semi-

gloss finish is required; otherwise apply **DUREX FLOOR SEAL 15** as the second coat.

For dense surfaces apply one coat of either **DUREX FLOOR SEAL 15 or 25**, depending on the density and absorption rate of the surface. **DUREX FLOOR SEAL 25** will usually produce a glossier finish.

CLEAN-UP:

Clean all tools promptly after each use with clean water. Do not allow the sealer to dry on tools.

STORAGE:

Store **DUREX FLOOR SEAL 15 or 25** in a dry vented, waterproof location, stacked off the ground with ambient temperatures above 5°C (41°F). Keep materials dry, protected from rapid temperature changes, dampness and moisture and away from direct sunlight.

KEEP FROM FREEZING.

PACKAGING:

DUREX FLOOR SEAL 15/25 is readily available in 4 litre jugs, 18.9 litre pails and 45 gallon (205 litre) drums.

Coverage:

Porous surfaces

first coat	5.75 m ² /L	(235 ft ² /gal)
second coat	7.50 m ² /L	(305 ft ² /gal)

Dense surfaces

first coat	7.5 to 10 m ² /L	(305 to 410 ft ² /gal)
second coat	10.0 to 12 m ² /L	(410 to 490 ft ² /gal)

The above rates are only approximate as coverage will vary according to the method of application and the porosity and absorption rate of the substrate.

A TEST SAMPLE SHOULD BE APPLIED TO ESTABLISH PRACTICAL COVERAGE ON THE ACTUAL SUBSTRATE

WARRANTY:

Durabond Products Limited fully warrants their products when used and applied in strict accordance with the printed instructions on product mixing and product application. In any case **Durabond's** responsibility shall not exceed either the refund of the purchase price, or the replacement of the purchased product.

TECHNICAL SERVICES:

Technical assistance for unique applications and design is available upon request from **Durabond Products Limited**.

DURABOND

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