

Durex® Dur-A-Top SLU 25

Polymer-Modified Self-Leveling Underlayment

Description	Durex® Dur-A-Top SLU 25 is a cementitious self-leveling underlayment, well-balanced blend of selected aggregates and various types of cements to produce a pourable or pumpable cement compound which will self-level after screeding to the desired level of coverage. It is used in conjunction with Durex® Dur-A-Top Acrylic Primer.
Uses	Durex® Dur-A-Top SLU 25 is used as a fast-setting underlayment over rough concrete floors to fill cracks; repair damaged floor areas due to poor finishing, frost damage, etc.; or for general levelling of new and existing floor surfaces prior to installation of finish flooring material.
Features	<p>Durex® Dur-A-Top SLU 25 has been formulated to provide the following features to facilitate and simplify its application:</p> <ul style="list-style-type: none"> -excellent workability that allows to be easily installed from 1/8" to 1" (3mm to 2.5 cm) in a single layer. • Fast setting (can be walked on in 12 hours depending on Thickness and site conditions) • Excellent adhesion when used in conjunction with Durex® Dur-A-Top Acrylic Primer. • Mix as required (no waste) • Minimum skill required for application

TECHNICAL DATA

PHYSICAL PROPERTIES	
Appearance	Fine-granulated grey powder
Toxicity	Non-toxic
Coverage per bag (22.7 KG)	4.6 m ² at 3mm (50 SF at 1/8") Thickness 2.3 m ² at 6 mm (25 SF at 1/4") Thickness 1.1 m ² at 12 mm (12.5 SF at 1/2") Thickness 0.5 m ² at 25 mm (6 SF at 1") Thickness
PH	11
Application temperature range	from +5°C to +35°C
Time Required Before installation of Tile or Stone	Typically 24 hours
Dry time installation of floor covering (23°C)	up to 6 mm , typically 24 Hours, 6 to 12 mm thickness , typically 2 to 3 days Depending on T and H
Self-Healing properties	Good up to approx. 30 min (depending on temperature, substrate and site conditions)

PERFORMANCE PROPERTIES at 23°C, 50 % RH (mixed with 4.2 L of Water)		
	METHOD	RESULT
Compressive Strength	ASTM C109	1 Day 8 MPa (1160 psi) 7 Days 17 MPa (2470 psi) 28 Days 22 MPa (3200 psi)
Flexural Strength	ASTM C348	6 MPa (870 psi)
Tensile Strength	ASTM C190	2.1 MPa (300 psi)

Packaging	Durex® Dur-A-Top SLU 25 is available in 22.7 Kg (50 lb) bags.
Storage	Store Durex® Dur-A-Top SLU 25 for 6 months in a dry, vented, waterproof location, stacked off the ground with ambient temperatures between 5°C and 35°C (41-95°F) . Keep materials dry, protected from rapid temperature changes, dampness and moisture and away from direct sunlight. KEEP FROM FREEZING.
Mixing Procedure	<p>Discard all materials which have begun to harden.</p> <p>Mix Durex® Dur-A-Top SLU 25 with potable water in accordance to the following formula by weight:</p> <ul style="list-style-type: none"> • Durex® Self Leveling Cement 1 bag • Potable Water 4.2-4.5 litres <p>Discard all materials which have begun to harden. Mix Durex® Dur-A-Top SLU 25 into an empty clean mixing container. While under slow mixing action add the Durex® Dur-A-Top SLU 25 in the required mixing proportions. Mix well for a minimum of 2 min until the mixture is free of lumps. Do not overmix or use excessive mixing speed. Do not over-dilute with water. Mix only enough materials which can be used within 30 minutes. Discard all materials which have begun to stiffen for a second time. Temperature of the mix must not exceed 35°C (use ice if necessary to cool down water).</p>
Application	<p>Remove all delaminated, scaled, and otherwise deteriorated concrete down to solid concrete. Clean areas to be repaired by suitable means so that the substrate is clean and sound, free from ice, snow, dew and frost, dust, dirt, oil, grease and other foreign matter detrimental to a positive bond. (Consult Durabond Products Limited for questionable substrates). For solid non-porous surfaces, apply a primer coat, Durex® Dur-A-Top Acrylic Primer, as a bonding agent for best results, to the areas to be repaired, leaving no standing liquid. The primer coat should be mixed 1 part Durex® Dur-A-Top Acrylic Primer to 3 1 part water. For high-porous surfaces, apply two coats of Durex® Dur-A-Top Acrylic Primer. The first primer coat should be mixed 1 part Durex® Dur-A-Top Acrylic Primer to 5 parts water and the second coat 1 part Durex® Dur-A-Top Acrylic Primer to 3 part water.</p> <p>Pour the Durex® Dur-A-Top SLU 25 mix and spread with a spreader, screed or trowel as required. Allow a minimum of 24 hours for curing. Protect freshly installed materials from inclement weather until materials have fully set and cured. Prevent rapid evaporation.</p> <p>It is recommended to fix soft strips as a separation between the walls (or columns) and the self-leveling before proceeding with the application at thicknesses greater than 10 mm</p> <p>All existing movement/expansion joints in the base should be maintained and continued through the Durex® Dur-A-Top SLU 25</p>
Limitations	<p>Limit the work area into manageable sections of approximately 20 m2 .Reduce the width of the work area when applying in warmer temperatures.</p> <ul style="list-style-type: none"> • Material temperatures must be between 5°C - 35°C (41-95°F) during application & curing period. • Not recommended for applications over wood substrate • Do not apply over 2.5 cm (1" Thick) in any one coat • Do not apply Over concrete surfaces less than 24.2 MPa (3500 psi) strength • Do not apply over concrete less than 1 month old and with moisture above 4 % • Do not apply over concrete that have and average tensile adhesion strength less than 1 MPa • Do not apply Over previously treated surfaces without proper preparation • Do not apply Over surfaces where oil, grease and other deleterious materials are present • Avoid work under heavy windy condition in which case the product may dry fast and cracks might appear. <p>Clean all tools promptly after each use with clean water. Do not allow mixes to dry on tools.</p>
Clean-up	For information and advice on the safe handling, storage and disposal of chemical products, refer to the most recent SDS sheet containing physical, environmental, toxic and other safety/materials handling data. For industrial use only. Keep out of reach of children.
Health and Safety	
Warranty	Durabond warrants this product is free of manufacturing defects, and will replace at no charge, provided it has been applied within 6 months of purchase, it has been installed for uses suitable for this product and in accordance with the manufacturer's instructions.
Technical Services	Technical support is available upon request at info@durabond.com . For the latest version of this data sheet, please visit our website at www.durabond.com , call toll free at 1-877-DURABOND (387-2266) or speak with your Durabond Products Ltd. sales representative.

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