

# EDOCO 300 UNDERLAYMENT™

## SELF-LEVELING UNDERLAYMENT

### USE

Edoco 300 Underlayment is a self-leveling underlayment designed for leveling interior floors prior to installation of carpet, VCT and other flooring materials. Edoco 300 Underlayment can be used to level or create a smooth surface on interior concrete floors, ceramic tile, or terrazzo floors. It can be used on new construction projects to correct rough or unfinished concrete and to level out uneven floors. On restoration projects, use Edoco 300 Underlayment to produce a smooth even finish over old concrete, terrazzo and ceramic tile floors.

### BENEFITS

- Walkable in 3-4 hours
- Self-leveling
- Typically accepts floor coverings in 14 hours
- Pumpable for better productivity
- Non-shrinking/No Dusting
- Excellent bonding
- Compatible with most carpet and tile adhesives
- Exhibits excellent healing characteristics
- Excellent work time

### PROPERTIES, TEST DATA

Working Time (depending on environment)

Interior 10 - 25 minutes

Setting Time (ASTM C-266)

Initial 50 - 75 minutes

Final 2 hrs. - 2 hrs., 30 min.

Avg. Compressive Strength, (ASTM C-109)

1 day 1500 psi min. (10.3 MPa)

7 days 3500 psi min. (24.1 MPa)

28 days 4500 psi min. (31.0 MPa)

Note: The data shown is based on controlled laboratory testing. Reasonable variation from results shown can be expected.

### APPLICATION

To prepare surface, follow all standard ACI and ICRI recommendations. Remove all dirt, gas, oil, grease, asphalt, paint, curing compounds, and all loose surface materials. Do not use Edoco 300 Underlayment on painted or sealed surfaces. To give floors a solid rigid base, repair all cracks with the appropriate Edoco repair mortar such as Surface Repair 5 / 20 or Edoco Feather Patch 24 hours prior to application. Contact Dayton Superior technical services for additional recommendations.

### Priming

Prime concrete surface with the ready-to-use Edoco 390 Primer. Apply with a brush or broom at 400-500

ft<sup>2</sup> per gallon (9.8 -12.3 m<sup>2</sup>/L). Edoco 390 Primer may be sprayed, however should be back brushed immediately after spraying to ensure a complete film over the substrate. Avoid any puddling or ponding of the primer. Coverage will depend on texture of the surface. Allow the primer to dry completely to the touch before proceeding, at least 3 hours at 70°F (21°C), and 50% R.H. (do not wait longer than 24 hours).

Very porous surfaces will require two (2) applications of primer. Apply the second application after the first coat has dried (approximately 2-3 hours).

For wood, ceramic tile, terrazzo and other non-absorbent surfaces, contact Dayton Superior technical services for special instructions.

### Mixing

Pour 9.5-10.5 pints (4.5-5.0L) of water into a mixing container, then add one 50 lb. (22.7 kg) bag of Edoco 300 Underlayment. With a blending paddle attached to a heavy duty electric drill (650 rpm), mix for one to two minutes until mixture is smooth and free of lumps. For pumping applications, mix for one to two minutes in the pump's mixing tank. Do not over water or retemper.

### INSTALLATION

Pour Edoco 300 Underlayment over the substrate spreading the material with a long-handled spreader. Edoco 300 Underlayment can be pumped using an appropriately sized grout pump.

No troweling is necessary, however gage rakes and smoothers may be used if desired. Edoco 300 Underlayment will level itself during the first 20 minutes at 70°F (21°C) and it will accept foot traffic in 4 hours. We suggest wearing shoes with cleats for installing Edoco 300 Underlayment. Under normal conditions, floor coverings, such as carpet, VCT or linoleum can be applied in 14 hours. All floor adhesives compatible with normal concrete may be used on Edoco 300 Underlayment. Not for use prior to installing high build epoxy coatings or epoxy terrazzo, contact technical services for additional information.

### Placing

It is recommended that placing should be in lanes a maximum of 15 ft (4.6 m) in width using foam tape or other suitable forming material. Place in a continu-

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## CONTINUED

ous operation by pumping or pouring back and forth within the width of the formed area. It is important that this be done in a continuous operation to achieve proper merging of the material. Crew sizes, equipment and material should be such to continuously place within the working time of 10-25 minutes @ 70°F (21°C).

### Maximum Depth

1" (2.54 cm) neat, 4" (10.1 cm) extended  
Extend Edoco 300 Underlayment by adding 15 lbs. (6.8 kg.) of clean 3/8" (.1 cm) pea gravel for each 50 lbs. (22.7 kg.) of product. This is required in areas over 1" (2.5 cm) thick. First mix Edoco 300 Underlayment per earlier instructions and then during the last minute of mixing add the required aggregate. Should a finish coat be required, apply a non-extended layer of Edoco 300 Underlayment after the first pour becomes walkable. Re-prime the first pour with another application of Edoco 390 Primer.

### ESTIMATED YIELD

Coverage of 50 lbs. (22.7 kg) at 1/4 inch (6.35 mm):  
24 ft<sup>2</sup> (2.22 M<sup>2</sup>)

### PACKAGING

Item # Package	Size		Weight	
	Gallons	Liter	Lb.	Kgs.
301768 (Edoco 390 Primer)	1	3.8		
300442 (Edoco 300 Underlayment)		Bags	50	22.7

### LIMITATIONS

DO NOT place at temperatures below 40°F (4°C) or if the temperature is expected to fall below 40°F (4°C) in the next twenty-four hour period. During hot weather, work quickly and use cold water for mixing because the average working time will decrease. Wind over 5 M.P.H. can dehydrate Edoco 300 Underlayment and cause cracking. Unless area of application can be protected from wind, application should be postponed until there are favorable conditions. Temperatures in excess of 80°F (26.7°C), ambient or surface, can cause flash set and dehydration, resulting in cracking and debonding. Contains calcium sulphate hemi-hydrate. Not for use in areas of frequent contact with water. Not intended as a wearing surface or for use prior to installing high build epoxy or epoxy terrazzo systems.

### STORAGE

Shelf life is one year. Store in a cool, dry location. At

no time should material be exposed to high moisture, rain or snow conditions.

### PRECAUTIONS

Caution. May cause skin and eye irritation. Prolonged contact may cause sensitization. Avoid contact. Use of a dust respirator, safety goggles and rubber gloves are recommended. Avoid prolonged contact with clothing. In case of contact with eyes, immediately flush with water for at least 15 minutes. Get prompt medical attention. DO NOT wear contact lenses when working with this product. DO NOT take internally. Keep out of reach of children. Avoid hazards by following all precautions found in the Material Safety Data Sheet (MSDS), product labels and technical literature. Please read this information prior to using the product.

### MANUFACTURER

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### WARRANTY

Dayton Superior Corporation ("Dayton") warrants for 12 months from the date of manufacture or for the duration of the published product shelf life, whichever is less, that at the time of shipment by Dayton, the product is free of manufacturing defects and conforms to Dayton's product properties in force on the date of acceptance by Dayton of the order. Dayton shall only be liable under this warranty if the product has been applied, used, and stored in accordance with Dayton's instructions, especially surface preparation and installation, in force on the date of acceptance by Dayton of the order. The purchaser must examine the product when received and promptly notify Dayton in writing of any non-conformity before the product is used and no later than 30 days after such non-conformity is first discovered. If Dayton, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the non-conforming product, refund the purchase price or issue a credit in the amount of the purchase price. This is the sole and exclusive remedy for breach of this warranty. Only a Dayton officer is authorized to modify this warranty. The information in this data sheet supersedes all other sales information received by the customer during the sales process. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.

### LIMITATION OF LIABILITY

Dayton shall not be liable in contract or in tort (including, without limitation, negligence, strict liability or otherwise) for loss of sales, revenues or profits; cost of capital or funds; business interruption or cost of downtime, loss of use, damage to or loss of use of other property (real or personal); failure to realize expected savings; frustration of economic or business expectations; claims by third parties (other than for bodily injury), or economic losses of any kind; or for any special, incidental, indirect, consequential, punitive or exemplary damages arising in any way out of the performance of, or failure to perform, its obligations under any contract for sale of product, even if Dayton could foresee or has been advised of the possibility of such damages. The Parties expressly agree that these limitations on damages are allocations of risk constituting, in part, the consideration for this contract, and also that such limitations shall survive the determination of any court of competent jurisdiction that any remedy provided in these terms or available at law fails of its essential purpose.



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