DURA-CAP®

THE ECONOMICAL ALTERNATIVE TO SELF-LEVELING UNDERLAYMENTS

THE VERSATILE SOLUTION
• Cap uneven, rough, spalled concrete floors
• Repair damage to new concrete due to rain and/or freezing temperatures
• Fill “birdbaths” in concrete floors
• Top precast plank
• Top corrugated steel deck over light-gauge steel framing
• Cover old floor coverings, including vinyl asbestos tile
• Provide fire and sound control over wood frame construction
• Can be featheredged
• Accepts virtually all floor coverings

QUALITY ON EVERY POUR
With more than 4 billion square feet of installation experience, Dura-Cap applicators know how to deliver quality. Each job is tested on site for flow and mix consistency, and in our lab for compressive strength to meet specification.
PREPARATION
Building interior should be enclosed and maintained at a temperature above 50 °F (10 °C) until structure and subfloor temperatures are stabilized. The subfloor must be brown clean and contaminant free. Before pouring Dura-Cap, the subfloor is coated with a company-approved primer.

INSTALLATION METHODS
The minimum thickness of Dura-Cap varies with the type of floor system. Dura-Cap can be featheredged over concrete substrates. Over wood frame construction, the minimum thickness is 3/4" (19 mm). It can be poured before or after drywall. Over galvanized corrugated steel deck, poured 1" (25 mm) over the top of the flutings; average pour thickness is 1 1/8" (40 mm).

Continuous ventilation and adequate heat should be provided to rapidly remove moisture from the area until the underlayment is dry. The general contractor/project superintendent must supply mechanical ventilation and heat if necessary. Under the above conditions, drying time is usually 5–7 days. Reference the Building Conditions Guide brochure for complete installation guidelines.

Dura-Cap requires a floor covering. Contact your authorized dealer for recommendations for adhering floor goods, or contact Maxxon Corporation for a copy of the brochure Procedures for Attaching Finished Floor Goods to Maxxon Underlayments. It is the responsibility of the floor goods installer to determine the compatibility of their product with a particular floor underlayment.

LIMITATIONS
1. The typical maximum depth of Dura-Cap is 3" (76 mm). For depths greater than 3" (76 mm), contact an authorized applicator.
2. Dura-Cap may be scheduled before or after installation of drywall.
3. All materials above concrete sexes must be protected by a vapor barrier.
4. During construction, place temporary wood planking over the underlayment wherever it will be subjected to heavy wheeled or concentrated loads.
5. Dura-Cap is not designed to be installed on or below grade, except over well-drained structural substrates.
6. The structural floor should be adequate to withstand design loads with deflection limitations of L/360. The structural subfloor and floor joist must both comply with manufacturers’ maximum span criteria. Typically a deflection limitation of L/360 is adequate for Maxxon underlayments.
7. Additional consideration should be taken for concentrated/dynamic loads. U.S. building codes typically specify a uniform live load of 40 pounds per sq ft for residential floor designs. This load is intended to account for large loads that can occur in a building. In reality these loads are not uniform, rather consist of items such as furniture and appliances that actually induce concentrated loads far exceeding 40 lbs per sq ft. Rolling concentrated loads such as office chairs, wheel chairs, and motorized scooters add turning, twisting, repetition, and other dynamics which should also be taken into consideration. Determining the appropriate structural design of the floor is not the responsibility of Maxxon or the Maxxon applicator.

FIRE/RATINGs
UL Design

UL Design

Details of other products with this symbol may help contribute to points for LEED project certification.

LEED® INFORMATION
For information regarding how Dura-Cap can help contribute toward points for LEED project certification, contact your Regional Representative at (800) 356-7887 or visit www.maxxon.com/go_green.

DURACAP®
Floor Underlayment

For more info: 800-356-7887 • Email: info@maxxon.com
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