RL ROOF BOARD HD

FOR ULTRATHERM XTREME FIBERTITE MEMBRANE SYSTEMS

DESCRIPTION

RL Roof Board HD is a high-performance gypsym fibre roof board. Its unique fiber-reinforced, homogenous composition gives the panel strength and water resistance through to the core.

RL Roof Board HD provides exceptional bond and low absorption in adhered systems and, with its homogenous composition, achieves high wind-uplift ratings with no risk of facer delamination. Made from 97% recycled material, RL Roof Board HD combines superior performance with sustainable design for all types of roofing systems.

ADVANTAGES

Exceptional Strength:
Engineered to provide superior wind-uplift performance for a wide variety of roof assemblies. RL Roof Board HD has uniform composition providing enhanced bond strength of membrane systems with no risk of facer delamination.

Fire Performance:
Provides excellent fire performance and demonstrates exceptional surface burning characteristics (ASTM E84 (CAN/ULC-S102) Flame Spread 5, Smoke Developed 0).

Moisture and Mold:
Uniform water-resistant core ensures excellent moisture and mold resistance. Scored a maximum “10” for mold resistance on ASTM D3273. Versatile: Can be used as a component in single-ply and modified bitumen roofing.

Sustainability:
Made from 97% recycled materials and has earned independent certification from Scientific Certification Systems for this achievement.

FIRE PERFORMANCE

- UL Classified as to Surface Burning Characteristics and Noncombustibility in accordance with ASTM E84(CAN/ULC- S102). - Flame Spread 5 and Smoke Developed 0.
- 6.5mm, 10mm, 13mm and 16mm thickness - Class A in accordance with UL790 (CAN/ULC-S107). See the UL Building Materials Directory for more information.

SYSTEM PERFORMANCE

- FM Approved - Complies with requirements of FM 4450 and FM 4470 - Meets FM Class 1

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ROOFLOGIC
INTELLIGENT ROOFING SOLUTIONS

LIMITATIONS

- RL Roof Board HD is engineered to perform within a properly designed roofsystem.
- Consult RoofLogic for specific instructions on the application of RL Roof Board HD within their engineered roof systems.
- Weather conditions, dew, application temperature, installation techniques and moisture drive can have advers eeffects on the performance of the roof system. In all applications refer to RoofLogic Project Specifications.
- Keep RL Roof Board HD panels dry before and during installation. RL Roof Board HD should not be installed during rain. Apply as much RL Roof Board HD as can be covered by the specified membrane in the same day.
- For re-roof or re-cover applications, existing roofing system should be dry prior to application of RL Roof Board HD.
- RL Roof Board HD should be stored flat and off the ground with protection from the weather.
- When applying solvent-based adhesives or primers, allow sufficient time for the solvent to evaporate to avoid damage to roofing components. For specific advice in respect to the correct application of primers and adhesives refer to the project specification, technical data sheets or contact Rooflogic for advice.
- Modified bitumen can be torched directly to the surface. Consult with RoofLogic for recommendations on this application.

INSTALLATION

- Refer to RoofLogic Specifications for proper installation techniques.
- Use fasteners specified in accordance with the Specifcation. Install approved fasteners with plates into the RL Roof Board HD, flush with the surface. Fasteners should be installed in strict compliance with RoofLogic's installation recommendations and standard fixing set-out design. Proper fastener spacing is essential to achieve wind- uplift performance.
- Stagger end joints of adjacent lengths of RL Roof Board. Butt board edges and ends in typical installations.
- See product data table below for maximum flute span when panels are applied directly over RL Base Deck.

RL ROOF BOARD HD

PROPERTIES

BOARD THICKNESS	6.5MM	10MM	13MM	16MM
WIDTH, STANDARD	1220 MM			
LENGTH, STANDARD	2440 MM			
PIECES PER UNIT FOR 1220X2440 SHEETS	50	40	30	24
WEIGHT, NOMINAL KG/M2	7.65	9.55	13.45	15.6
COMPRESSIVE STRENGTH PSI NOMINAL	12.4 MPA			
FLUTE SPANABILITY PER ASTM E661	65MM	125MM	200MM	250MM
PERMEANCE.PERMS, PER ASTM E96	30	26	26	24
WATER ABSORPTION, %MAX, NOMINAL GRAMS, PER ASTM C473	10			
SURFACE WATER ABSORPTION, NOMINAL GRAMS, PER ASTM C473	1.6			
MOLD RESISTANCE PER ASTM D3273	10			