ARMOURCOAT®

SUSTAINABLE LUXURY FINISHES

LEED STATEMENT

ACOUSTIC PLASTER - FINE

LEED V4 CERTIFICATION CONTRIBUTION

LEED (Leadership in Energy and Environmental Design) is a global green building certification program developed by the US Green Building Council. To achieve LEED certification, projects must satisfy all the prerequisite and desired credit requirements.

The performance of the project, when measured against these criteria, determines a certification status of Silver, Gold, or Platinum.

Armourcoat is committed to sustainability across all aspects of its business. We strive to formulate all our products without VOC's or solvents and utilize recycled materials as widely as possible.

ENERGY AND ATMOSPHERE (EA)

OPTIMIZED ENERGY PERFORMANCE
EA Credit (1-20 points)

INTENT: to achieve increased energy performance and to reduce the environmental impact associated with excessive energy use and reduce stratospheric ozone depletion.

Armourcoat Acoustic recycled mineral wool panels and Armourcoat Acoustic Basecoat provide excellent thermal insulation which contributes to the reduction of heating and cooling energy used.

Armourcoat Acoustic Panels provide the following U values:
28mm system – 1.35 w/m2 K
48mm system - 0.72 W/m2 K

MATERIALS AND RESOURCES (MR)

INTENT: to consider the entire life cycle of the building, from extraction and manufacturing, to transport, operations, maintenance and eventually the end of life, with the aim of minimizing the total embodied energy within a building.

ENVIRONMENTAL PRODUCT DECLARATIONS
MR Credit (1-2 points)

INTENT: to encourage the use of products and materials for which life cycle information is available and that have environmentally, economically, and socially preferable life cycle impacts.

APPLICATION: Armourcoat has undertaken a full life cycle analysis for the Acoustic Plaster System and has independently verified and published EPDs for the complete system.

SOURCING OF RAW MATERIALS
MR Credit (1-2 points)

INTENT: to encourage the use of products and materials for which life cycle information is available and that have environmentally, economically, and socially preferable life cycle impacts.

APPLICATION: Armourcoat has undertaken a full life cycle analysis for its Acoustic Plaster System and has independently verified and published EPD's for the complete system.

Armourcoat Acoustic Mineral Wool Panels are made from recycled manufacturing and construction waste and the Armourcoat Acoustic Basecoat and Undercoat contain more than 90% post-consumer recycled plate glass.

Armourcoat Acoustic Topcoat contains more than 93% pre-consumer recycled marble and has an organic content of less than 3.6%.

MATERIAL INGREDIENTS
MR Credit (1-2 points)

INTENT: to encourage the use of products and materials for which life cycle information is available and that have environmentally, economically, and socially preferable life cycle impacts.

APPLICATION: Armourcoat discloses all chemical product ingredients in the system and has a HPD Version 2.2 (Health Product Declaration) that confirm the absence of harmful substances.

All materials in Armourcoat Acoustic Plaster have been screened against the Living building Challenge (LBC) red list materials as part of the HPD generation. Ingredients screened down to 0.1% (1000 ppm).

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CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT
MR Credit (1-2 points)

INTENT: to reduce construction and demolition waste disposed of in landfills and incineration facilities through waste prevention and by reusing, recovering, and recycling materials and conserving resources for future generations.

APPLICATION: in a typical installation, less than 2% of the panels are discarded, as the small l as offcuts can be used in a patchwork and then overcoated with the undercoat to provide a flat surface for the topcoat.

Any unused panel scraps are accepted in mixed glass recycling facilities as both the panel and the board coating are more than 90% recycled glass.

Undercoat granules are supplied in recycled paper sacks rather than buckets and these can be recycled into wastepaper.

The plastic pails for Armourcoat Acoustic Topcoat can be easily cleaned and recycled as plastic waste.

Any unused materials, other than Armourcoat Acoustic Topcoat that has been tinted to a nonstandard colour, are saved for use on other projects.

INDOOR ENVIRONMENTAL QUALITY (EQ)

INTENT: to contribute to the comfort and well-being of all building occupants by establishing minimum standards for indoor air quality.

LOW EMITTING MATERIAL
EQ Credit (1-3points)

INTENT: to reduce the concentration of chemical contaminants that can damage air quality and the environment and to protect health, productivity and comfort of installers and building occupants.

APPLICATION: Armourcoat Acoustic Topcoat was tested for VOC content to ISO 11890-2 and achieved <1g/l which is below the limit of detection.

Armourcoat Acoustic Plaster was tested for Indoor Air Quality Emissions by Eurofins and achieved a pass.

Armourcoat Acoustic Plaster was tested in May 2026 following the requirements of CDPH Standard Method and is compliant with CA section 01350 and CDPH standard V1.2.

THERMAL COMFORT
EQ Credit (1 point)

INTENT: to promote occupant productivity, comfort and well-being by providing thermal comfort.

APPLICATION: Armourcoat recycled mineral wool panels and board coating provide excellent thermal insulation which contributes to the reduction of heating and cooling energy used and affords occupants greater thermal comfort in a conditioned space with lower heating and cooling energy use.

Armourcoat Acoustic Panels provide the following U values:
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INTERIOR LIGHTING
EQ Credit (1-2 points)

INTENT: to promote occupant productivity, comfort, and well-being by providing high quality lighting.

APPLICATION: Armourcoat Acoustic Topcoat is made from fine recycled white marble granules, is an excellent reflective white surface which contributes to the reduction in lighting energy consumption. L value 90 (LAB).

ACOUSTIC PERFORMANCE
EQ Credit (1-2 points)

INTENT: to promote occupant productivity, comfort and well-being by reducing reverberation through effective acoustic design.

APPLICATION: Armourcoat Acoustic Plaster will significantly reduce the reverberation time across a wide range of frequencies due to its outstanding sound absorption qualities.

Tested to EN ISO 354 and ASTM C423-17:

28mm Acoustic Plaster System
NRC - 0.85
Alpha W - 0.85
SAA - 0.83

48mm Acoustic Plaster System
NRC - 0.90
Alpha W - 0.90
SAA - 0.89

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