

HessLite[™] LIGHTWEIGHT BLENDED MATERIALS MAC Scratch & Brown

FIBER REINFORCED

PLASTER/STUCCO

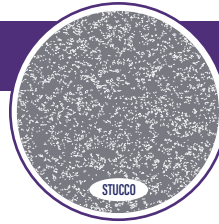
1 | **PRODUCTS:** HessLite[™] MAC[™] Scratch & Brown

2 | **MANUFACTURER:** Hess Performance Products, 100 Hess Drive, Malad, Idaho 83252

Product Availability: 208.860.7325 • lee@hesslite.com

Technical Support: 208.860.7325 • lee@hesslite.com

Website: hesslite.com



3 | **PRODUCT DESCRIPTIONS:** HessLite MAC Scratch & Brown plasters provide low shrinkage, excellent workability, strength, and product consistency. Lightweight properties significantly improve freeze-thaw resistance, handling, and application.

HessLite MAC Scratch & Brown is the premium base-standard product; a fiber reinforced lightweight cement scratch & brown plaster with efflorescence reducing additives.

HessLite MAC Scratch & Brown IWR is a premium lightweight fiber-reinforced scratch and brown with additional integral water repellent and efflorescence reducing additives.

HessLite MAC Scratch & Brown Poly is polymer modified premium lightweight fiber-reinforced scratch and brown with additional polymer for increased flexural strength and water repellents for added durability and freeze-thaw protection.

Specifications: Meets ASTM C926 specification for Portland Cement Based Plaster.

Uses: Use HessLite MAC Scratch & Brown plasters as the first coat (scratch) and the second coat (brown) for all types of Portland Cement lath and plaster applications. Use on interior and exterior base coats for stucco decorative wall systems. May be used on shower walls and other Portland cement mortar beds for veneer and tile applications.

HessLite MAC Scratch & Brown plasters provide a better base for VBM Bonding Mortars* than typical plastic cement job site mixes and are the recommended base mortars in the HessLite Installation System.

Advantages: HessLite MAC Scratch & Brown Plasters have the following advantages:

- Lightweight for easy handling and reduced structural loading.
- Reduced efflorescence and water repellency
- High compressive strengths ▪ Fiber-reinforced and crack resistant
- Low shrinkage ▪ Water Repellent

Colors: HessLite MAC Scratch & Brown plasters may be ordered in standard grey color and special order colors. The efflorescence control and water repellent properties help the long term appearance of colored plaster. For color consistency use the same water and finishing techniques. Color can vary dramatically. Test installation techniques prior to application.

Packaging: HessLite MAC Scratch & Brown plasters are available in 50 lb. moisture resistant bags.

Coverage: See table, right. Coverage will vary due to installation technique and coat depth.

Shelf Life: When stored in a cool dry area, with low humidity, shelf life is approximately six months to one year.

Hess | Performance Products
IDAHO USA

hesslite.com
100 Hess Drive, Malad City, ID 83252



Product Data Sheets are subject to change without notification. Test results shown are typical but field performance will vary depending on installation methods and job conditions. HessLite, BondMate, and PolyThin are trademarks of Hess Performance Products. MAC and VBM are trademarks of R-Crete Inc.

HESSLITE INSTALLATION SYSTEM PRODUCT CROSS REFERENCES

*For masonry veneers and pavers use VBM BondMate (Medium Bed applications) and VBM PolyThin (Thinbed applications).

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Efflorescence: HessLite MAC Scratch & Brown plasters have proven experience reducing efflorescence, however, due to variables beyond our control, we cannot guarantee efflorescence will not occur.

Suitable Substrates: All substrates must be clean and free from any dirt, oil, paint, bond breakers or any substances which may hinder bond. All waterproofing and lath must be installed according to applicable building codes. Substrate must be structurally sound and conform to good engineering practices and building code requirements. Movement in the substrate can cause cracking in the finished plaster and bond failure. All expansion or movement joints shall be brought through the plaster to the surface.

Limitations: Do not apply when temperatures are below 40° F prior to cure. Do not add any admixtures without prior consent. Substrate must be sound—any cracks or excessive movement may telegraph through plaster or cause bond failure. Follow ASTM and ANSI guidelines for installation in high heat, cold or wind. Color may change due to differing water content, weather, absorption, and tooling techniques. Do Not Over Mix (3-5 min), as high air content will lower strength. Applicable building codes must be followed. Proper design and application procedures must be followed.

4 | TECHNICAL DATA: HessLite MAC Scratch & Brown plasters conform to IBC, CBC and ASTM C926 – Standard Specification for Application of Portland Cement Based Plaster. Compressive strength specimen must be air cured per ANSI 118.1 due to the high water retention and water repellency. Water content of approximately 30%. Product is composed of Portland Cement (ASTM C-150), Hydrated Lime (ASTM C-207), R-Mortar Aid, and graded lightweight aggregate.

5 | INSTALLATION

Mixing Instructions: Proper mixing is critical for performance and workability. Start with six (6) quarts of clean water (water amount is approximately 28–30% of dry mix), add entire bag of HessLite MAC Scratch & Brown and mix at LOW SPEED for **3–5 minutes**. **DO NOT OVER MIX!** Mixing should be done carefully to minimize air entrainment, as high air content will reduce performance. **Allow to slake for 7 to 10 minutes.** (Lightweight aggregate will continue to absorb water.) Gently re-mix and adjust consistency with additional water if necessary.

Application: Follow IBC, CBC, ASTM and local building codes for installation and curing requirements. It is the responsibility of the user to insure the plaster is suitable for the intended application, that the substrate is properly prepared, and application is performed correctly. Dampen absorptive masonry just before application. Allow mortar bed to cure according to stucco color coat, paint or bonding mortar requirements. HessLite MAC Scratch & Brown plasters are suitable for hand application or may be pumped (test with spray equipment prior to using). Wet curing the finished plaster may be required in high heat or windy conditions.

System: HessLite MAC Scratch & Brown plasters are part of the lightweight HessLite Installation System. Visit www.HessLite.com for complete lightweight product line.

6 | AVAILABILITY AND COST: HessLite MAC Scratch & Brown plasters are available from select distributors. For distributor information, contact Lee at 208.860.7325 or lee@hesslite.com

7 | WARRANTY: The technical information and usage statements are based on our best knowledge. The contents of this specification sheet are presented for informational purposes only and do not constitute responsibility for their use. The manufacturer will replace only that material which is proven defective due to quality of the components or the manufacturing process.



CAUTION: Prolonged exposure to dust may cause delayed lung disease. Eliminate exposure to dust. Use NIOSH approved mask for silica dust. Freshly mixed materials may cause skin irritation. Avoid direct contact where possible and wash exposed skin areas promptly. If any cementitious materials get into the eyes, rinse immediately and repeatedly with water and get prompt medical attention. See SDS sheet.

NOTICE: Testing for crystalline silica (airborne particles of respirable size) has shown no measurable rates (<0.1%) of Crystalline Silica (SiO₂) to be present in HessLite Scratch & Brown plasters.

WARNING: Products containing crystalline silica (airborne particles of respirable size) are known to the State of California to cause cancer. For more information go to www.p65Warnings.ca.gov.