

Tech Hotline

StoGuard® Coating Coverage over ASTM C 1177 Sheathing

Sto Corp. Technical Services performed coverage testing for StoGuard® coatings (Sto Gold Coat®, Sto EmeraldCoat®, and StoGuard® VaporSeal™) applied to different brands of glass mat gypsum sheathing. The sheathing brands were ASTM C 1177 compliant products. Our testing confirmed that coating coverage varies between brands. The following chart presents estimated coverage ranges for the sheathings that were tested.

Sto Gold Coat® and Sto EmeraldCoat®

Sheathing	Coverage, sq.ft. per pail ⁽¹⁾	sq.m. per pail
G-P DensGlass® Gold	425 to 525	39.5 to 48.5
National Gypsum eXP®	425 to 525	39.5 to 48.5
USG Securock®	300 to 375	28.0 to 35.0
CertainTeed GlasRoc®	515 to 640	48.0 to 59.5

1. Applied at 10 wet mils, single coat.

StoGuard® VaporSeal™

Sheathing	Coverage, sq.ft. per pail ⁽¹⁾	sq.m. per pail
G-P DensGlass® Gold	130 to 145	12.0 to 13.5
National Gypsum eXP®	130 to 145	12.0 to 13.5
USG Securock®	90 to 100	8.5 to 9.5
CertainTeed GlasRoc®	155 to 175	14.5 to 16.5

1. Applied at 46 wet mils, single coat.

When using StoGuard Fabric at sheathing joints and rough opening applications adjust the coverage values that are published for DensGlass® Gold. DEDUCT 30% from the published coverage for Securock® or ADD 20% to the published coverage for GlasRoc®.

Actual coverage can vary depending on factors such as ambient conditions, substrate condition and application technique. We always suggest a field coverage test to verify coverage under actual conditions of use in the field, by the contractor who is applying the air barrier product, to ensure adequate materials are on-hand.