MCM Technical Information

Product Specifications

Material Composition	Modified Clay Material
Installation	Acrylic Adhesive or Equal
Patent	United States patent No. 8505840 / European patent No. 2157139

Test Data

CE Certificate	EN 15102:2007+A2:2011	Compliant
Fire Rating	ASTM E84-15/EN 13501-1+A1:2010	Class A
Freeze-Thaw Cycling	ASTM C1026-13	Weight Loss - 0.42% Appearance – No visible change
Water Absorption	ASTM C97/C97M-15	12.4%
Bulk Specific Gravity		1.83
Stain Resistance	ANSI Z124.6-2007 Clause 5.2	Total Rating: 7.6 Max Stain Depth: 0.101 mm
Chemical Resistance	ANSI Z124.6-2007 Clause 5.5	No visible change
Abrasion Resistance	ASTM C241/C241M-15	Total Score: 8
Static Coefficient of Friction	ASTM C1028-07	Dry Condition: 1.11 Wet Condition: 0.70
UV – Light aging Exposure	ASTM G154-12a Cycle1 ASTM D2244-154 ASTM 2616-12	Gray Scale 4.0 ΔE^*_{ab} 2.6

Chemical Composition

PVC Free		None Detected
Phthalate Free	EN 14372:2004	None Detected
Respirable Crystalline Silica Compliant	OSHA Silica Rule	Clay not part of substances of note in OSHA standard
SVHC - Substances of Very High Concern (151 substances)		None detected – REACH Compliant
VOC – Volatile Organic Compounds		None Detected – Class A
Safety Data Sheet - SDS	Prepared in accordance with US Regulation 29 CFR 1910.1200	

MCM – NANO-CLAY Features and Unique Differentiating Characteristics

✓ Heat Resistant	✓ Stain Resistant	✓ Indoor/ Outdoor Use
✓ Fire Resistant	✓ Hydrophilicity	✓ Ease of Fabrication and Installation
✓ Flexible	✓ Noise Reduction	✓ 70 Year Life Cycle Tested
✓ Lightweight, less freight	✓ Insulative Properties	✓ Zero Waste manufacturing
✓ Thru body color	✓ Antistatic	✓ Mold / Mildew Resistant
✓ UV Resistant	✓ Patented Technology	✓ Air Filtration / Purification
✓ No Demo Install	✓ Detoxifying	✓ High Adhesion Strength
✓ Bacteriostatic	✓ Impact Resistant	✓ Regulates Relative Humidity
✓ 95% Inorganic	✓ Slip Resistant	✓ Environmentally Friendly – Human Friendly
✓ ISO9001	✓ ISO14001	✓ UL GREENGAURD GOLD