

Introducing ArmourGuard+™:

a highly advanced two-part waterborne acrylic urethane coating with enhanced anti-microbial properties based of ArmourGuard™ technology.

ArmourGuard+™ is a breakthrough coating that combines the latest developments in acrylic emulsion technology with conventional polyurethane chemistry. Building upon the advantages of ArmourGuard WB™, this innovative product offers the durability and application qualities of conventional two-component coatings, while maintaining the environmental and health benefits of water-based coatings that are free of volatile organic compounds (VOCs) and other hazardous ingredients.

In addition, ArmourGuard+™ provides increased anti-microbial efficacy. Extensive testing has demonstrated its ability to deliver a minimum of 10 years+ of high anti-bacterial efficacy, with a remarkable 99.5% kill rate against harmful bacteria like E-Coli and MSRA.

Recommended for heavy-duty conditions and situations that require frequent cleaning, as well as exterior applications demanding long-term weather resistance, ArmourGuard+™ excels in various applications such as timber, industrial steelwork, PVC, and overcoating Infinity Effects Spray Granite & Stone Coatings.

Advantages of ArmourGuard+™:

Increased Anti-Microbial Properties: Advanced anti-microbial efficiency, eliminating 99.84% of harmful bacteria within 24 hours, including e-Coli and MSRA, and maintaining a 99.5% efficacy for over 10 years.

Hard Wearing: Recommended for demanding heavy-duty applications and situations that require frequent cleaning.



High Stain Resistance: Resistant to stains, allowing easy removal of oil and grease without leaving a trace.

Excellent Abrasion Resistance: Extremely tough, hardwearing, and resistant to staining from various materials such as tomato sauce, curry sauce, and cooking oil.

Incredibly Flexible: Provides a hard surface while remaining resistant to impact damage that may cause substrate denting or deformation.



Easy to Clean: Scrubbable and steam cleanable, impervious to popular cleaning products including bleach, acid and caustic cleaners, detergents, and disinfectants.

Excellent Adhesion to Most Substrates: Self-priming with exceptional adhesion, even on challenging materials like polished stainless steel, iron, and PVC.

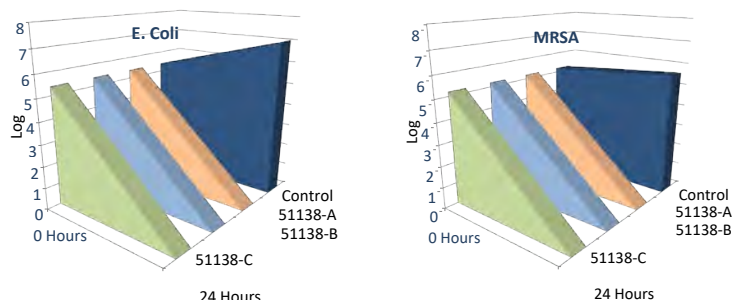
ZERO VOC Content: Safe to use, safe during use, and environmentally friendly with zero VOC content.

100% Color Stable: Non-yellowing and inherently UV resistant, ensuring color stability over time.

Easy to Use: Simple mixing and application using a brush, roller, or sprayer.

Long Work-Time: Offers a long pot life, with fast drying times once applied.

Large Selection of Colors: Available in over 136 vibrant colors!



TEST RESULTS

SAMPLE	Results – E. Coli			Results – MSRA		
	CFU at 0 hours	After 24 Hours		CFU at 0 hours	After 24 Hours	
		CFU	% CHANGE		CFU	% CHANGE
Control	2.5 x 10 ⁵	1.1 x 10 ⁷	4300% growth	1.6 x 10 ⁵	4.6 x 10 ⁵	188% growth
51138-A	2.5 x 10 ⁵	<10	>99.996% reduction	1.6 x 10 ⁵	<10	>99.994% reduction
51138-B	2.5 x 10 ⁵	<10	>99.996% reduction	1.6 x 10 ⁵	<10	>99.994% reduction
51138-C	2.5 x 10 ⁵	<10	>99.996% reduction	1.6 x 10 ⁵	<10	>99.994% reduction

Notes: CFU = Colony Forming Units
The theoretical limit of detection is 10 CFU. If no bacteria are recovered, the result is reported as “<10 CFU”

Substrates:

Armourguard+™ is a water-based coating that requires the contained water to evaporate before curing. Hence, it should not be applied in high humidity or stagnant areas with limited airflow.

Preparation: Prior to application, the substrates should be lightly sanded to create a suitable surface for adhesion. They must be clean, devoid of loose materials, laitance, oil, grease, etc.



Mixing: Combine the entire hardener with the resin in the container and mix slowly for 2-3 minutes, preferably using a flat mixing blade attached to a drill. If a smaller quantity is needed or if the material cannot be used within its pot life, weigh the proportions as specified on the label using digital scales.

Application: Armourguard+™ can be applied using a brush, roller, or airless spray. Apply a thin coat, ensuring thorough coverage of the surface by working the material into pinholes and imperfections. Avoid excessive application, which could lead to foaming or the formation of thick areas.

In some cases, porous substrates may require a second coat to fully seal all porosity.

Over-Coating: Enjoy the convenience of over-coating once the coating is touch dry, following the indicated time in the provided table. If the maximum over-coating time is exceeded, lightly abrade glossy areas before applying additional coatings for optimal results.

Elevate your industrial projects with ArmourGuard+™. Experience the perfect balance of durability, flexibility, and customization in an industrial pigmentable paint coating. Choose from over 136 remarkable colors and trust ArmourGuard+™ to deliver exceptional performance and longevity. Revolutionize your industry with this extraordinary coating solution!

Order your ArmourGuard+™ directly from Infinity Effects or through our global distribution agents. Please note that all Infinity Effects products are sold according to our Standard Conditions of Sale. While we aim to provide helpful advice, we can only guarantee results for uses explicitly confirmed in writing by Infinity Effects and the specified representative.

ARMOURGUARD WB GC Specification

	Gloss	Sheen	Mat	Varnish
Solids content	60%	65%	69%	47%
Volatile Organic Compounds	0%	0%	0%	0%
Density	1.26	1.32	1.44	1.44
Solvent	Water			
Pot life	4 - 6 hours depending on temperature			
Application temperature	5 - 30oC			
Colours available	A range of colours are available and special shades can be made to order			
Pack sizes	1, 2.5, 5 and 10 litre plastic containers			

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Users should always conduct sufficient tests to establish the suitability of any products for their intended applications. While we strive to ensure consistency of color in production, slight variations in shade may occur from batch to batch.

Note: If you are unsure about the compatibility of Infinity Effects Coating with the substrate surface, we strongly recommend conducting a small test in a discreet area before applying it to the entire floor. This precaution will help ensure a successful and satisfactory outcome.



COLOR RANGE:

Welcome to our exclusive Infinity Effects COLOR range, crafted with a primary focus on delivering exceptional protection to both interior and exterior walls, floors, and ceilings, even when subjected to heavy wear and tear. Our carefully formulated color range offer an ideal solution for various surfaces, be it absorbent or non-absorbent, offering reliable defense against the threats of mold and dirt. Rest assured, our high-quality formulas ensure a safe and enjoyable experience for every user.

Delve into the captivating color choices available for each of our Infinity Effects™ products, including ArmourGuard™, ArmourGuard+™, Hydro Paint™, Exteri Pro™, and FreshCoat™. Elevate your surroundings with lasting beauty and unmatched protection provided by our exclusive Color Range.

AVAILABLE PIGMENT RANGE

INFINITY-101 • RGB: 247,237,224

INFINITY-102 • RGB: 249,234,215

INFINITY-103 • RGB: 249,234,213

INFINITY-104 • RGB: 237,218,199

INFINITY-105 • RGB: 237,216,200

INFINITY-106 • RGB: 243,227,211

INFINITY-107 • RGB: 228,215,206

INFINITY-108 • RGB: 252,226,200

INFINITY-109 • RGB: 253,226,194

INFINITY-110 • RGB: 249,218,194

INFINITY-111 • RGB: 255,228,189

INFINITY-112 • RGB: 251,215,180

INFINITY-113 • RGB: 255,227,187

INFINITY-114 • RGB: 246,216,181

INFINITY-115 • RGB: 255,235,188

INFINITY-116 • RGB: 255,226,167

INFINITY-117 • RGB: 248,223,173

INFINITY-118 • RGB: 238,236,206

INFINITY-119 • RGB: 246,238,204

INFINITY-120 • RGB: 229,194,162

INFINITY-121 • RGB: 253,232,202

INFINITY-122 • RGB: 243,234,215

INFINITY-123 • RGB: 242,238,223

INFINITY-124 • RGB: 248,240,223

INFINITY-125 • RGB: 241,241,235

INFINITY-126 • RGB: 234,226,217

INFINITY-127 • RGB: 239,229,214

INFINITY-128 • RGB: 235,218,202

INFINITY-129 • RGB: 231,219,204

INFINITY-130 • RGB: 221,213,211

INFINITY-131 • RGB: 230,214,211

INFINITY-132 • RGB: 230,218,209

INFINITY-133 • RGB: 202,194,194

INFINITY-134 • RGB: 203,192,185

INFINITY-135 • RGB: 206,201,203

INFINITY-136 • RGB: 216,199,190

INFINITY-137 • RGB: 211,191,177

INFINITY-138 • RGB: 245,216,203

INFINITY-139 • RGB: 245,208,192

INFINITY-140 • RGB: 238,202,192

INFINITY-141 • RGB: 227,189,174

INFINITY-142 • RGB: 248,196,176

INFINITY-143 • RGB: 248,234,230

INFINITY-144 • RGB: 241,228,224

INFINITY-145 • RGB: 246,220,220

INFINITY-146 • RGB: 228,180,180

INFINITY-147 • RGB: 231,198,188

INFINITY-148 • RGB: 240,190,189

INFINITY-149 • RGB: 245,188,169

INFINITY-150 • RGB: 192,189,189

INFINITY-151 • RGB: 208,204,202

INFINITY-152 • RGB: 221,222,223

INFINITY-153 • RGB: 235,179,187

INFINITY-154 • RGB: 236,209,221

INFINITY-155 • RGB: 216,188,213

INFINITY-156 • RGB: 193,172,213

INFINITY-157 • RGB: 241,197,167



AVAILABLE PIGMENT RANGE

INFINITY-158 • RGB: 222,185,172
INFINITY-159 • RGB: 202,183,175
INFINITY-160 • RGB: 213,183,158
INFINITY-161 • RGB: 183,162,150
INFINITY-162 • RGB: 194,182,176
INFINITY-163 • RGB: 165,154,153
INFINITY-164 • RGB: 171,173,170
INFINITY-165 • RGB: 213,201,189
INFINITY-166 • RGB: 205,192,184
INFINITY-167 • RGB: 180,184,190
INFINITY-168 • RGB: 173,172,177
INFINITY-169 • RGB: 172,172,175
INFINITY-170 • RGB: 156,157,160
INFINITY-171 • RGB: 169,187,200
INFINITY-172 • RGB: 207,217,220
INFINITY-173 • RGB: 190,200,203
INFINITY-174 • RGB: 148,197,226
INFINITY-175 • RGB: 190,210,213
INFINITY-176 • RGB: 164,171,176
INFINITY-177 • RGB: 168,185,189
INFINITY-178 • RGB: 227,223,197
INFINITY-179 • RGB: 206,215,198
INFINITY-180 • RGB: 181,212,200
INFINITY-181 • RGB: 152,197,213

INFINITY-182 • RGB: 202,193,177
INFINITY-183 • RGB: 148,148,151
INFINITY-184 • RGB: 123,125,129
INFINITY-185 • RGB: 252,205,140
INFINITY-186 • RGB: 231,178,119
INFINITY-187 • RGB: 226,175,107
INFINITY-188 • RGB: 245,173,108
INFINITY-189 • RGB: 160,152,105
INFINITY-190 • RGB: 151,154,124
INFINITY-191 • RGB: 148,140,119
INFINITY-192 • RGB: 239,149,117
INFINITY-193 • RGB: 224,114,81
INFINITY-194 • RGB: 187,124,107
INFINITY-195 • RGB: 172,128,122
INFINITY-196 • RGB: 220,70,60
INFINITY-197 • RGB: 167,81,76
INFINITY-198 • RGB: 181,96,98
INFINITY-199 • RGB: 182,142,116
INFINITY-200 • RGB: 156,129,114
INFINITY-201 • RGB: 133,102,88
INFINITY-202 • RGB: 111,83,76
INFINITY-203 • RGB: 75,76,79
INFINITY-204 • RGB: 139,136,136
INFINITY-205 • RGB: 115,121,125

INFINITY-206 • RGB: 157,110,102
INFINITY-207 • RGB: 151,101,100
INFINITY-208 • RGB: 151,117,143
INFINITY-209 • RGB: 116,108,154
INFINITY-210 • RGB: 48,130,177
INFINITY-211 • RGB: 58,102,126
INFINITY-212 • RGB: 89,110,128

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