

INFINITY X-FLOW SCREED

INFINITY
EFFECTS®



INFINITY X-FLOW SCREED

INFINITY
EFFECTS[®]

Introducing X-Flow Screed:

The Next Step In Resin Flooring, UV Stable, Flexible, Impact Resistant, Over 1000+ Colours To Choose From!



Developed by Infinity Effects Materials Science Division

Infinity Effects introduces **X-Flow Screed**, a next-generation polyaspartic hybrid screed system representing a significant breakthrough in modern flooring chemistry. Developed by our team, X-Flow Screed redefines what a high-performance resin screed can achieve. It is a fully engineered system, designed from the molecular level to deliver a level of performance, durability, and visual refinement unmatched by traditional resin or cementitious products.

X-Flow Screed utilizes advanced polyaspartic ester chemistry, precision-controlled reaction kinetics, and engineered aggregate science to produce a flooring material capable of performing in the most demanding residential, commercial, and industrial environments. This system is not a modification of an existing technology; it is a completely new formulation created to exceed the limitations of conventional systems.

Advanced Polymer Architecture

The core of **X-Flow Screed** is a UV-stable aliphatic polyaspartic backbone engineered for long-term environmental resistance. Conventional epoxy and polyurethane systems degrade, yellow, or lose gloss under UV exposure. **X-Flow Screed** maintains complete optical clarity and colour integrity, ensuring consistent appearance over time.

The polymer network is built with controlled crosslink density and engineered elasticity, balancing rigidity and movement tolerance. This allows **X-Flow Screed** to withstand dynamic loading, thermal expansion and structural flex without micro-cracking or delamination. This flexibility places it in a category far beyond traditional screeds, which often become brittle once cured.

Mechanical Strength and Structural Endurance

X-Flow Screed delivers exceptional impact resistance and compressive strength due to its hybrid resin and powdered screed composition. The system uses an engineered **Infinity Matrix** consisting of mineral aggregates, micro-fillers, and reinforcing powders. This multi-phase matrix increases density, abrasion resistance, dimensional stability, and mechanical durability.

Testing shows that **X-Flow Screed** maintains structural integrity under heavy point-loading, dropped tools, industrial equipment, and long-term traffic. Traditional resin systems often mark, crack, or deform under repeated stress. **X-Flow Screed** is designed to remain unaffected.

Unmatched Adhesion and Substrate Compatibility

X-Flow Screed incorporates advanced adhesion promoters and substrate-reactive technology that allows mechanical bonding to concrete, tiles, timber, metals, plastics and more. This broad compatibility removes many of the limitations of standard resin floors and opens the door to new installation environments previously considered unsuitable.

Precision-Controlled Flow and Finish Quality

X-Flow Screed's rheology is engineered to provide near-perfect self-levelling characteristics. The material flows smoothly across surfaces, removing micro-variations and forming a continuous, flawless film. Controlled exotherm and curing behaviour ensure that the material settles to a true 100% gloss, flat, mirror-like finish without bubbling, surface rippling, or curing distortion.

This level of surface precision makes **X-Flow Screed** suitable for high-end interiors, reflective design schemes, showroom environments, and spaces where visual perfection is critical.

INFINITY X-FLOW SCREED



X-FLOW SCREED: ADVANTAGES

Rapid curing: Walk-On within hours

Exceptional adhesion: Forms a strong and long-lasting bond with most substrates.

Flat Gloss Finish: Engineered to give you a flat gloss finish suitable for high end residential and commercial

Easy application: Provides a generous pot life after mixing, allowing for a smooth and precise application.

Versatile compatibility: Compatible with our decorative granite & stone systems and more!

Limitless color options: Over 1000+ vibrant colors available through our Infinity Effects Pigmentation machine.

Flow Quality: Rheology is engineered to provide near-perfect self-leveling characteristics

Flawless performance: Delivers exceptional performance, impact resistance, flexibility, combining the best durability and stunning aesthetics.

Surface Preparation:

Before installing X-FLOW Screed, contact Infinity Effects for substrate-specific preparation instructions, as requirements vary depending on the surface being treated. As a general guideline, ensure the substrate is completely dry, structurally sound, and free from loose materials, laitance, dust, oils, grease, contaminants, or any residues that may impair adhesion. Mechanical preparation may be required for certain substrates, while others may only need thorough cleaning. Infinity will advise on the correct preparation process for concrete, timber, tiles, metals, or alternative surfaces.

Mixing Instructions:

Begin by pouring the entire contents of Part A into Part B. Using a drill fitted with a suitable mixing paddle, blend the two components for a minimum of 30 seconds to ensure proper chemical activation. Once fully combined, gradually introduce Part C while continuing to mix for an additional 2–3 minutes. Ensure that the mixture becomes uniform, free from lumps, dry pockets, or unmixed material along the sides or base of the container. For projects requiring extended working time, an optional retarder is available. This additive increases the pot life but will also extend the overall curing time. Contact Infinity for guidance on correct dosage and suitability.

Application:

Confirm the substrate is dry and all loose material has been removed. Prime porous surfaces using X-FLOW Primer to ensure proper sealing. After priming, install the X-FLOW Mesh adhesive layer. Once secured, mix and pour X-FLOW Screed onto the surface, using a flat trowel to guide the material into edges and corners. Work methodically toward your exit point and allow the system to fully cure. Optionally, Infinity Spray Granite or Spray Stone may be applied afterward, followed by a protective topcoat.

X-FLOW SCREED - Specification

Type	Two part polyurea coating with reinforcing screed powder matrix
Mix ratio	See label on tin
Hardener	XF-01
Resin Density	1.10 kg/litre
Coverage	3 - 3.5 m ² /per depending on surface texture and porosity
Minimum over-coating time	60 minutes
Maximum over-coating time	24 Hours
Solvent	Thin with recommended retarder if necessary for increased worktime
Colours	White , Black, 1000+ Pre pigmented colours
Pack sizes	10KG (Part A 2.5kg - Part B 2.5kg - Part C 5kg)
Shelf Life & Storage	6 months in original, unopened container. Store in cool, dry conditions

INFINITY X-FLOW SCREED



Recoating:

If a recoat or additional pour of Infinity X-Flow Screed is required, it must be carried out within the system's 24-hour recoat window to ensure proper chemical bonding. If this time period is exceeded, the cured surface must first be mechanically abraded to create a suitable profile. Once abrasion is complete, reinstall X-Flow Adhesive Mesh to re-establish structural reinforcement before attempting to repour the screed. Following these steps ensures full adhesion, uniform curing, and long-term performance of the system.

Colour Options:

Infinity X-Flow Screed offers an exceptional and versatile colour selection. When placing your order, you may choose from classic options such as White and Black, or select from our extensive library of over 1,000 pre-programmed colours. Below, we have highlighted a curated selection of 136 of our most popular shades; however, many additional colours are available. For bespoke options or further guidance, please contact your Infinity representative.

AVAILABLE PIGMENT RANGE

Poly-201 • 5kg • RGB: 228,222,215	Poly-220 • 5kg • RGB: 232,183,145	Poly-239 • 5kg • RGB: 236,200,181
Poly-202 • 5kg • RGB: 228,222,215	Poly-221 • 5kg • RGB: 251,226,199	Poly-240 • 5kg • RGB: 231,195,184
Poly-203 • 5kg • RGB: 228,222,215	Poly-222 • 5kg • RGB: 245,230,208	Poly-241 • 5kg • RGB: 223,175,160
Poly-204 • 5kg • RGB: 243,217,195	Poly-223 • 5kg • RGB: 244,236,218	Poly-242 • 5kg • RGB: 243,202,167
Poly-205 • 5kg • RGB: 241,214,195	Poly-224 • 5kg • RGB: 248,240,229	Poly-243 • 5kg • RGB: 244,228,226
Poly-206 • 5kg • RGB: 246,226,208	Poly-225 • 5kg • RGB: 248,242,234	Poly-244 • 5kg • RGB: 241,227,225
Poly-207 • 5kg • RGB: 240,221,210	Poly-226 • 5kg • RGB: 243,229,217	Poly-245 • 5kg • RGB: 241,221,218
Poly-208 • 5kg • RGB: 247,222,198	Poly-227 • 5kg • RGB: 246,229,209	Poly-246 • 5kg • RGB: 241,198,172
Poly-209 • 5kg • RGB: 249,222,194	Poly-228 • 5kg • RGB: 241,216,196	Poly-247 • 5kg • RGB: 231,192,177
Poly-210 • 5kg • RGB: 244,214,192	Poly-229 • 5kg • RGB: 243,221,199	Poly-248 • 5kg • RGB: 243,204,182
Poly-211 • 5kg • RGB: 249,224,197	Poly-230 • 5kg • RGB: 236,223,221	Poly-249 • 5kg • RGB: 240,191,154
Poly-212 • 5kg • RGB: 244,209,176	Poly-231 • 5kg • RGB: 236,214,211	Poly-250 • 5kg • RGB: 226,215,210
Poly-213 • 5kg • RGB: 250,222,193	Poly-232 • 5kg • RGB: 240,221,209	Poly-251 • 5kg • RGB: 234,221,215
Poly-214 • 5kg • RGB: 246,212,176	Poly-233 • 5kg • RGB: 226,195,192	Poly-252 • 5kg • RGB: 240,237,234
Poly-215 • 5kg • RGB: 250,239,218	Poly-234 • 5kg • RGB: 229,203,188	Poly-253 • 5kg • RGB: 227,186,184
Poly-216 • 5kg • RGB: 251,226,192	Poly-235 • 5kg • RGB: 231,227,226	Poly-254 • 5kg • RGB: 246,234,232
Poly-217 • 5kg • RGB: 248,223,188	Poly-236 • 5kg • RGB: 232,202,190	Poly-255 • 5kg • RGB: 243,223,219
Poly-218 • 5kg • RGB: 248,243,228	Poly-237 • 5kg • RGB: 229,193,172	Poly-256 • 5kg • RGB: 238,223,226
Poly-219 • 5kg • RGB: 242,243,224	Poly-238 • 5kg • RGB: 238,207,194	Poly-257 • 5kg • RGB: 234,187,156

INFINITY X-FLOW SCREED



AVAILABLE PIGMENT RANGE

Poly-258 • 5kg • RGB: 221,176,161

Poly-259 • 5kg • RGB: 223,187,173

Poly-260 • 5kg • RGB: 223,175,141

Poly-261 • 5kg • RGB: 210,166,144

Poly-262 • 5kg • RGB: 224,194,178

Poly-263 • 5kg • RGB: 204,169,164

Poly-264 • 5kg • RGB: 221,205,185

Poly-265 • 5kg • RGB: 235,207,187

Poly-266 • 5kg • RGB: 231,204,187

Poly-267 • 5kg • RGB: 224,221,217

Poly-268 • 5kg • RGB: 218,213,208

Poly-269 • 5kg • RGB: 215,214,213

Poly-270 • 5kg • RGB: 206,204,204

Poly-271 • 5kg • RGB: 219,223,226

Poly-272 • 5kg • RGB: 238,231,222

Poly-273 • 5kg • RGB: 226,227,227

Poly-274 • 5kg • RGB: 213,225,237

Poly-275 • 5kg • RGB: 231,227,218

Poly-276 • 5kg • RGB: 213,214,214

Poly-277 • 5kg • RGB: 217,213,204

Poly-278 • 5kg • RGB: 235,215,181

Poly-279 • 5kg • RGB: 224,214,183

Poly-280 • 5kg • RGB: 204,218,192

Poly-281 • 5kg • RGB: 214,224,232

Poly-282 • 5kg • RGB: 230,204,171

Poly-283 • 5kg • RGB: 196,194,194

Poly-284 • 5kg • RGB: 176,176,175

Poly-285 • 5kg • RGB: 244,201,155

Poly-286 • 5kg • RGB: 231,176,120

Poly-287 • 5kg • RGB: 227,189,166

Poly-288 • 5kg • RGB: 245,211,176

Poly-289 • 5kg • RGB: 199,162,103

Poly-290 • 5kg • RGB: 203,181,134

Poly-291 • 5kg • RGB: 210,179,136

Poly-292 • 5kg • RGB: 239,190,171

Poly-293 • 5kg • RGB: 233,155,136

Poly-294 • 5kg • RGB: 214,146,110

Poly-295 • 5kg • RGB: 198,144,142

Poly-296 • 5kg • RGB: 229,117,110

Poly-297 • 5kg • RGB: 153,76,74

Poly-298 • 5kg • RGB: 213,134,115

Poly-299 • 5kg • RGB: 211,161,152

Poly-300 • 5kg • RGB: 199,158,156

Poly-301 • 5kg • RGB: 175,116,93

Poly-302 • 5kg • RGB: 150,87,75

Poly-303 • 5kg • RGB: 149,148,149

Poly-304 • 5kg • RGB: 206,199,190

Poly-305 • 5kg • RGB: 191,192,193

Poly-306 • 5kg • RGB: 178,115,110

Poly-307 • 5kg • RGB: 176,111,108

Poly-308 • 5kg • RGB: 210,160,150

Poly-309 • 5kg • RGB: 208,207,216

Poly-310 • 5kg • RGB: 169,181,204

Poly-311 • 5kg • RGB: 148,172,195

Poly-312 • 5kg • RGB: 179,189,198

Poly-313 • 5kg • RGB: 233,199,164

Poly-314 • 5kg • RGB: 154,116,102

Poly-315 • 5kg • RGB: 119,117,120

Poly-316 • 5kg • RGB: 110,165,227

Poly-317 • 5kg • RGB: 52,183,126

Poly-318 • 5kg • RGB: 227,109,114

Poly-319 • 5kg • RGB: 255,228,147

Poly-320 • 5kg • RGB: 167,95,93

Poly-321 • 5kg • RGB: 194,186,223

Poly-322 • 5kg • RGB: 234,176,117

Poly-323 • 5kg • RGB: 124,161,141

Poly-324 • 5kg • RGB: 128,140,126

Poly-325 • 5kg • RGB: 172,142,147

Poly-326 • 5kg • RGB: 148,132,139

Poly-327 • 5kg • RGB: 134,144,155

Poly-328 • 5kg • RGB: 245,189,161

Poly-329 • 5kg • RGB: 220,165,132

DISCLAIMER: Customers are advised to thoroughly read and adhere to the instructions provided to ensure the optimum finish and performance of our products. The information presented is based on results gained from experience and tests and is believed to be accurate. However, we do not accept liability for any loss or damage attributable to reliance on this information, as conditions of use may lie outside our control. Any deviation by the user from these instructions may affect the performance of the products, and therefore, such actions are not advised. In such circumstances, Infinity Effects will not be held responsible.

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.