TECHNICAL DATA SHEET

Fusion Adhesion Promoter / DEGREASER

HIGH PERFORMANCE SOLVENT BLEND

ENHANCES ADHESION | REMOVES OIL & GREASE | FAST DRYING | MULTI-SURFACE COMPATIBLE | EASY APPLICATION

Developed by Infinity Effects Materials Science Division

PRODUCT DESCRIPTION

Fusion Degreaser / Adhesion Promoter is a professional-grade solvent-based surface preparation treatment engineered to both degrease and chemically prepare difficult, low surface-energy substrates for coating.

Developed using a high-performance solvent blend combined with specialised adhesion-promoting technology, Fusion Degreaser / Adhesion Promoter removes grease, oils, silicones, waxes and surface contaminants while simultaneously creating microscopic surface activation that significantly improves coating adhesion.

Unlike conventional degreasers that simply clean a surface, Fusion Degreaser / Adhesion Promoter chemically conditions the substrate, creating an artificial surface key that enables Infinity Effects coating systems to achieve exceptional bond strength on traditionally difficult-to-coat materials.

Designed as the first stage of the Infinity Effects coating system, it maximises adhesion, reduces the risk of coating delamination and promotes long-term coating durability across both residential and commercial applications.



SURFACE PREPARATION

- All surfaces must be structurally sound.
- Remove loose contamination where necessary.
- Ensure heavy oil or excessive contamination is removed.
- Protect surrounding areas from overspray.

APPLICATION INSTRUCTIONS

1. Shake container thoroughly before use.
2. Lightly spray Fusion Degreaser / Adhesion Promoter directly onto the substrate. Avoid excessive application.
3. Immediately wipe using a clean, lint-free microfibre cloth. Continue wiping until all contaminants have been removed.
4. Allow the solvent to evaporate completely. The surface should appear clean, dry and residue-free before coating.
5. Apply the recommended Infinity Effects coating system directly onto the prepared substrate. No sanding is normally required unless specified by the coating system.

COVERAGE & DRYING TIME

Coverage depends on substrate texture and contamination. Typical coverage: approximately 8–12 m² per litre.

Condition (20°C / 50% RH)	Typical Time
Flash Off	2–5 Minutes
Ready to Coat	5–10 Minutes
Complete Solvent Evaporation	Approx. 10 Minutes

Lower temperatures or poor ventilation may increase drying times.

STORAGE

Store in the original tightly sealed container in a cool, dry, well-ventilated location.

Keep away from:

- Heat
- Sparks
- Naked flames
- Direct sunlight

Do not allow the product to freeze.

LIMITATIONS

- Always test on a small inconspicuous area before full application.
- Some specialist substrates may require additional testing.
- Not intended as a standalone protective coating.
- Do not apply to wet surfaces.
- Always allow complete solvent evaporation before coating.
- Do not dilute.

HEALTH & SAFETY

Fusion Degreaser / Adhesion Promoter contains flammable solvents. Always:

- Wear suitable gloves and eye protection.
- Ensure adequate ventilation during use.
- Avoid breathing vapours.
- Keep away from ignition sources.
- Keep out of reach of children.

Refer to the latest Safety Data Sheet (SDS) before use.

KEY FEATURES & BENEFITS

- Cleans and degreases in a single operation
- Advanced adhesion-promoting technology
- Creates a microscopic chemical surface key
- Excellent compatibility with Infinity Effects coating systems
- Fast evaporation
- No rinsing required
- Removes oils, grease and surface contamination
- Improves long-term coating adhesion
- Suitable for difficult non-porous substrates
- Ideal before primers, base coats and topcoats
- Easy spray-and-wipe application
- Professional contractor formulation
- Suitable for internal and external applications
- Helps minimise coating failures caused by poor preparation

TYPICAL APPLICATIONS

RECOMMENDED FOR PREPARING:

ALUMINIUM | STAINLESS STEEL | MILD STEEL & IRON | GALVANISED STEEL | BRASS

COPPER | ABS PLASTICS | UPVC | PVC | ACRYLIC

FIBREGLASS | VINYL | CERAMICS | PORCELAIN | GLAZED CERAMIC TILES

PORCELAIN TILES | EXISTING FACTORY COATINGS | POWDER COATED SURFACES | COMPOSITE PANELS

For substrates not listed above, please contact Infinity Effects Technical Support before application.

RECOMMENDED COATING SYSTEMS

Fusion Degreaser / Adhesion Promoter is recommended before applying:

- **R.S Urethane Water-Based Primer / Base Coat**
- **R.S.P Primer**
- **R.S.P Poly Base Coat**
- **Infinity Spray Granite Systems**
- **Infinity Spray Stone Systems**
- **Infinity Decorative Coating Systems**

TYPICAL TECHNICAL PROPERTIES

Property	Typical Value
Product Type	Solvent-Based Degreaser & Adhesion Promoter
Appearance	Clear Liquid
Base Chemistry	Specialised Solvent Blend with Adhesion Promoting Additives
Solvent Type	Aromatic Hydrocarbon Blend
Viscosity	Similar to Xylene (Approx. 0.6–0.8 cP @ 25°C)
Specific Gravity	Approx. 0.86–0.88
Flash Point	Approx. 25–30°C
Evaporation Rate	Fast
VOC Content	High
Application Method	Spray & Wipe
Coverage	8–12 m²/Litre
Drying Mechanism	Solvent Evaporation
Colour	Clear
Odour	Aromatic Solvent
Compatible Systems	Infinity Effects Coating Systems
Pack Sizes	1 Litre
Shelf Life	24 Months (Unopened)
Storage Temperature	5°C–30°C

TECHNICAL SUPPORT

Infinity Effects Technical Services can provide assistance with:

- Surface compatibility
- Adhesion testing
- Application procedures
- Commercial specifications
- Installation guidance
- Coating system selection

Where substrate compatibility is uncertain, we recommend carrying out a small test patch before full application.

ORDERING INFORMATION

Fusion Degreaser / Adhesion Promoter is available in:
1 LITRE PROFESSIONAL BOTTLE

For technical advice, distributor information or project-specific recommendations, please contact Infinity Effects or an authorised distributor.