

HITCHINS

TECHNICAL DATASPEC

LUMIERE

Polychromatic Decorative Coating

January 2014

NO. 1470 V2

Description	Lumiere highly decorative effect is created with translucent pearly, or interference finishing coats applied and patterned with selected apparatus over coloured base-coat to interior walls to provide a polychromatic and reflective chromatic effect through the play of light.		
Process Overview	Lumiere system comprised of a primer, selected background coloured base coat, overlaid with multi-layers of different coloured translucent pearly Lumiere interference finishing gel coats that are hand patterned by brush, trowel, sponge, rag-roll, stipple etc, finished with Lumiere Flash to create unique highly decorative polychromatic effect.		
Recommended Uses	Lumiere is designed for internal surfaces and can be applied to: Gib-board, fibrous plaster, render, previously painted surfaces, wood, composite wood sheets and metal. Lumiere can be applied to prepared external surfaces and finished with protective clear glaze. Lumiere decorative effect can be applied to hallways, lounges, dining rooms in homes. lift lobbies, reception areas, function rooms in hotels, discos and nightclubs, commercial offices, etc, to walls, ceilings and panels		
Properties/Features	<ul style="list-style-type: none">• Creates a play of lights within contrasting colours.• Provides unique and dramatic range of effects.• Soft textured finish provides a refined, attractive, polychromatic finish from subtle to exciting.• Provides a washable, highly resistant durable finish with long life expectancy.• All pigmentation is of exterior grade and UV stable• With exception of some primers, the system is solvent free and thus can be applied without undue interference in existing functioning environments.		
Limitations	<ul style="list-style-type: none">• Multiple layer system that is labour intensive• Requires specialized tools to create effects.• Best applied by an experienced craftsman		
Technical Data			
Classification	Water-based acrylic		
Colour	Selected range – see colour card	Specific Gravity	1.05
Coverage rate	1 – 15m ² depending on the finish	Solids Content	30% by volume
Recoat Time	4 hours	Shelf Life	3 years
Application Method	Brush, roller, spray, rag, spatula	Application Range	8°C – 35°C
Packaging	250ml, 500ml, 1L & 4Litres	Clean-up	Water
V.O.C.	21 grams per litre		
Dry Time (18°C@65rH)	30 min to 3 hours depending on the film thickness		
Surface Preparation	<ul style="list-style-type: none">• All surfaces to be coated must be thoroughly clean, dry, and free of any foreign matter, nibs, and flaking paint, sufficiently smooth and sound surface for the application of the Lumiere process.• Nibs, protrusions and uneven surfaces should be ground and sanded smooth.		

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Surface Preparation

- Cracks, holes and surface imperfections should be filled or flushed with Hitchins Formfill 660, Formflush 665 or Epoflush 604, allowed to cure, then sanded to an even finish.
 - Glossy existing painted surfaces should be sanded to a dull finish.
 - Concrete and cementitious substrates should be cured for a minimum of 28 days.
 - Block walls over-surfaced with render and skimmed plaster finish.
 - Gib-board joints flushed and skimmed plaster finish to high standard.
 - Composite wood sheets and plaster surfaces sealed with Pre-Seal
 - Tantalized timber primed with Hitchins Pre-Seal Primer.
 - Concrete and solid plaster surfaces apply Sealflex primer G
 - Galvanized iron and steel degreased, wire-brushed and sanded to remove rust, cleaned and primed with 2 (two) coats of Hitchins Formear 10 Speed Spray anti-corrosive primer or one coat of Jotamastic 87.
- Hitchins New Zealand Limited provides full written specifications and application instructions.

Recommended Primers

Substrates	Primer
Concrete / Cement Plaster	Hitchins Sealflex Primer G
Dense concrete	Hitchins Formstik
Concrete block	Hitchins Sealflex Primer Filler
Brick unglazed/glazed	Hitchins Formstik
Fibre cement sheet	Hitchins Formbond / Formstik
Gypsum Plaster	Hitchins Pre-seal Primer
Timber	Hitchins Pre-seal Primer
Metal	Hitchins Formear Speed Spray 10 or Jotamastic 87 *

Coverage/consumption

As covered in product dataspecs and the application instruction below.

Application

- Apply the required primer for the substrate at 7 to 9 m2 per litre.
- Apply Formwal 612 of selected colour by brush, short nap roller or spray at 4.5 to 7 m2 per litre, allow to dry 4 -12 hours at 20°C, 50% RH.
- Apply **Lumiere** coloured gel by brush, short nap roller or spray at 3-4 m2 per litre, whilst wet pattern with selected apparatus, allow to dry 12 hours.
- Repeat the procedure multiple times to achieve the desired effect.
- Apply **Lumiere** Flash by brush, roller or spray at 7-10 m2 per litre to obtain additional effect.
- Protect, allow drying and cure/harden for 7 days.

Drying and curing

- As covered in individual product data-specs and under application instructions.
- Depending on film thickness of type of created pattern drying times will vary.
- Full cure and harden of film approximately 7 days, allow.

Clean Up

Other than some primers, all Lumiere coatings clean up with water.

Non-Compliance Warning

Do not apply or install any Hitchins product or process to building structures that do not comply with the Building Code.

Warranty

Lumiere, as part of a process, is covered under the Hitchins Product Performance Warranty Document for **"that"** products process, as per our Warranty Schedule.

Health and Safety

- Some primers are solvent base, protect exposed skin, wear protective gear (overalls, gloves & mask) and work in ventilated conditions.
- All other components are water-based, non-flammable, low toxicity and V.O.C
- Protect exposed skin with barrier cream, wash off any splashes whilst wet with soapy water.
- Please refer to the Safety Data Sheet