

## Paint Systems & Coatings

Decorative Artwork System:

- 1) **HV'Art Gesso Style Primer** – High build & adhesion WB Primer
- 2) **HV'Art Decorative Canvas** – Extra-long working time Medium for artwork
- 3) **HV'Art Lacquer Glaze** – Ready to use clear glazing Medium
- 4) **HV'Art Lacquer** – High Clarity WB Lacquer with workable structure by hand

Woodwork system:

- 1) **HV'Art Gesso Style Primer** – High build & adhesion WB Primer
- 2) **HV'Art Lacquer Paint** – Durable WB Paint for Furniture & Joinery by hand
- 3) **HV'Art Lacquer** - High Clarity WB Lacquer with workable structure by hand

### Maximum VOC content limit values for paints and varnishes

Category	Type	VOC (g/l)
Interior matt walls and ceilings (Gloss $\leq 25@60^\circ$ )	WB	30
Interior glossy walls and ceilings (Gloss $>25@60^\circ$ )	WB	100
Interior/exterior trim and cladding paints for wood and metal	WB	130
One-pack performance coatings	WB	140
Multi-coloured coatings	WB	100
Decorative effect coatings	WB	200

#### notes:

VOC is measured as g/l of ready to use product.

## GESSO STYLE PRIMER (GSP)

### DESCRIPTION:

HV'Art Gesso Style Primer is a waterborne Polyurethane Primer developed for unsurpassed adhesion to a whole range of surfaces and is very forgiving for hand application.

It has a high pigment content and a high solids content, with excellent opacity and excellent filling power.

GSP is formulated to sand exceptionally well, with immediate powder-up, and ultimate skin-like feel.

GSP can also be applied very successfully by Spray where required.

### GLOSS LEVEL:

n/a (Matt)

### COLOURS:

A range of 10 shades, including Pastel Undertones, White & Black.

### AREA OF USE:

All woodwork, joinery, furniture, kitchen cabinets & trim including picture frames, skirting board, doors & staircases. Wall surfaces, ceilings, coving.

### METHOD OF APPLICATION:

Synthetic brush & fine haired rollers

### Mixing procedure:

Ready for use depending on requirements, for best flow by brush GSP can be thinned with drinking water up to 20%, build will be proportionately reduced but coverage and opacity remain.

### Technical characteristics

Solids content (%):  $56 \pm 1$

Specific gravity (kg/l):  $1.365 \pm 0.030$

Viscosity (DIN 6 at 20°C):  $40'' \pm 8''$

**VOC Content:** 47 g/ltr

Recommended application weight: 150 to 250 per coat if applied by spray to timber substrate. No realistic maximum loading when applying by hand, as film weight cannot achieve this from manual application methods.

### DRYING:

Touch dry (room temperature): 1 hour

Sandable (room temperature): 4 hours

sandable (by forced drying tunnel): 1 hour

Sandable (by forced IR drying): 30mins

Drying times are indicative because they depend on temperature, humidity, & importantly air flow conditions.

Drying of waterborne products must take place at temperatures not below 15°C and at a relative humidity preferably not exceeding 85%. Out of these limits, there is a slowing down of the drying and/or formation of a less hard and resistant film. It is always advisable for drying to be forced, with air previously de-humidified and warm (20-30°C).



## DECORATIVE CANVAS

### DESCRIPTION:

HV'Art Decorative Canvas is a waterborne Colour coat, designed for use over GSP or GSP+, in order to produce a tight base for successful application of Artistic Finishes via a Glaze medium.

Application of Decorative Canvas allows the full benefits of Open-Time Glaze to occur.

It produces a consistent sealed base without creating issues of adhesion or preventing proper drying of subsequent coats.

### GLOSS LEVEL:

Decorative Canvas is manufactured as 15% sheen, producing a dense base for application of Glaze.

### COLOURS:

Decorative Canvas is available in the full mixed colour spectrum, to assist with creating a background of whatever tone required.

### AREA OF USE:

Wall surfaces, ceilings, any interior substrate previously primed with GSP or GSP+, requiring the ideal surface for decorative Glaze.

### METHOD OF APPLICATION:

Synthetic brush & fine haired rollers

### MIXING PROCEEDURE:

Ready to use, can be thinned with drinking water up to 10% for increased flow if needed.

### Technical Characteristics:

Solid content (%)

Specific gravity (kg/l)

Viscosity

**VOC Content:** 37 g/ltr

### SUBSTRATE:

Surfaces previously prepared with GSP / GSP+

### RECOAT:

With HV'Art Open-Time Glaze,

### DRYING:

Touch dry (room temperature): 2 hours

Sandable (room temperature): 4 hours

Drying times are indicative because they depend on temperature, humidity, & importantly air flow conditions.

Drying of waterborne products must take place at temperatures not below 15°C and at a relative humidity preferably not exceeding 85%. Out of these limits, there is a slowing down of the drying and/or formation of a less hard and resistant film. It is always advisable for drying to be forced, with air previously de-humidified and warm (20-30°C).

## LACQUER GLAZE

### DESCRIPTION:

HV'Art Lacquer Glaze is a ready-to-use clear glazing medium, to be tinted with universal artist colorants. For use over the Lacquer Paint Decorative Canvas to create decorative artistic designs. Formulated to create a sheer finish, dries to a semi-durable soft matt sheen. For added durability and an even sheen, finish with HV'Art Crystal Lacquer in the appropriate sheen.

### GLOSS LEVEL:

Semi sheen – much clearer opacity compared to general market alternatives.

### COLOURS:

Clear. To be used with Decorative Canvas which is available in limitless classic & bespoke colours, including popular domestic references to assist with creating a background of whatever tone required.

### AREA OF USE:

Wall surfaces, ceilings, any interior substrate previously coated with Decorative Canvas.

### METHOD OF APPLICATION:

Synthetic brush & fine haired rollers, decorative effects to be applied via user's own techniques methods.

### MIXING PROCEEDURE:

Ready to use, can be thinned with drinking water up to 15% for increased flow & penetration if needed.

### Technical Characteristics:

**VOC Content:** 37 g/ltr

### SUBSTRATE:

Wall surfaces, ceilings, any interior substrate previously coated with Decorative Canvas.

### RECOAT:

With HV'Art Lacquer in the sheen level required.

### DRYING:

Drying of waterborne products must take place at temperatures not below 15°C and at a relative humidity preferably not exceeding 85%. Out of these limits, there is a slowing down of the drying and/or formation of a less hard and resistant film. It is always advisable for drying to be forced, with air previously de-humidified and warm (20-30°C).

## LACQUER CLEAR

### DESCRIPTION:

HV'Art Lacquer is a Clear single-pack waterborne Lacquer suitable for coating a wide range of Interior Surfaces. It is formulated for ultimate transparency, good chemical resistance, excellent hardness, and resistance to thermoplasticity. The exceptional structure enables vertical hold far beyond domestic products, excellent for use in-situ. HV'Art Lacquer is inherently non-yellowing formulation, suitable for use over difficult substrates.

### GLOSS LEVELS:

Ranging from a Deep Matt through to almost Wet-Look.

**Mineral 00, Stone 02, Parchment 04, Vellum 06, Boiserie 08, Honed 10, Lustre 20,  
Quartz 40, Gilt 60, Ceramic 90,**

### COLOURS:

N/A Transparent.

### AREA OF USE:

As a Protective coat over Decorative Glaze, as a clear finish on all Solid Timber items, Doors, furniture, turned parts, frames, skirting boards, wall panelling, stairs.

### METHOD OF APPLICATION:

Synthetic brush & fine haired rollers

### THINNING:

Typically add between 10-20% drinking water depending on requirements of flow and build.

### Technical characteristics

Solids content (%): 31 ± 2  
Specific gravity (kg/l): 1.030 ± 0.030  
Viscosity (DIN 4 at 20°C): 150seconds

**VOC Content:** 42 g/ltr

### General characteristics

Drying time (60 g/m<sup>2</sup> at 20°C): Dust free 20'  
Touch dry 60'  
Sandable: 4 hours

Stir the product well before application to disperse any possible sedimentation.  
This operation is essential to ensure even matting on the substrate

Thanks to the contents of acrylic/polyurethane resins and to its properties of excellent pore marking, it is particularly suitable for two-coat systems for open pore wood.

### DRYING:

Drying of waterborne products must take place at temperatures not below 15°C and at a relative humidity preferably not exceeding 85%. Out of these limits, there is a slowing down of the drying and/or formation of a less hard and resistant film. It is always advisable for drying to be forced, with air previously de-humidified and warm (20-30°C).



## LACQUER PAINT

### DESCRIPTION:

HV'Art Lacquer Paint is a very forgiving single-pack Acrylic waterborne topcoat suitable for coating a wide range of Interior Surfaces.

It is formulated for excellent hand application properties, with hardness and chemical resistance much above domestic paints.

The exceptional structure enables vertical hold far beyond domestic products, excellent for use in-situ.

Lacquer paint has very even matting and smoothness, giving exceptional flow-out and silk feel.

### GLOSS LEVEL:

Lacquer Paint is manufactured across a range from a Deep Matt through to almost Wet-Look.

**Honed 10      Classic 15      Ceramic 90\***

### COLOURS:

Lacquer Paint is available in limitless classic & bespoke colours, including popular domestic references.

\*Ceramic 90 is available in a bespoke range of carefully selected colours to cover the full colour spectrum.

### AREA OF USE:

All woodwork, joinery, furniture, kitchen cabinets & trim including picture frames, skirting board, doors & staircases. Wall surfaces, ceilings, coving.

### METHOD OF APPLICATION:

Synthetic brush & fine haired rollers

### THINNING:

Depending on requirements of Flow-out & build, thin with drinking water up to max. 20%.

### Technical characteristics

Solids content (%): 34%

Specific gravity (kg/l): 1.1 ± 0.030

Viscosity (DIN 4 at 20°C) 190'' ± 10''

**VOC Content:** 37 g/ltr

### General characteristics

Drying time (100 g/m<sup>2</sup> at 20°C): Dust free: 30'

Touch dry: 60'

Sandable: 4 hours

### SUBSTRATE PREPARATION:

Surfaces previously prepared with two or more coats of GSP or GSP+ properly dried and well sanded.

Stir the product well before application to disperse any possible sedimentation.

This operation is essential to ensure even matting on the substrate.

### RECOAT:

Overcoat if required with Lacquer Clear, in the desired sheen level. This can be useful for creating low matt finishes in dark colours.

### Drying:

Drying of waterborne products must take place at temperatures not below 15°C and at a relative humidity preferably not exceeding 85%. Out of these limits, there is a slowing down of the drying and/or formation of a less hard and resistant film. It is always advisable for drying to be forced, with air previously de-humidified and warm (20-30°C).

## ADDITIVES

### DESCRIPTION:

HV'Art Additives developed to enable decorative finishes to perform the widest possible range of durability requirements.

**GLOSS LEVEL & COLOUR:** N/A, determined by the coating the additive is used with.

### HV160:

#### AREA OF USE:

HV160 is to be added to the final coat of a surface finish, to further increase the chemical and mechanical resistance of the coating. It is not advised to add to any prior coats, as this can impede best inter-coat adhesion.

When added at a concentration of 0.5-1% it considerably improves hardness, abrasion resistance, resistance to aggressive household chemicals, and blocking resistance against tannins or bleed from the substrate.

#### DOSAGE:

5% by volume of the coating material, after pre-thinning (see below)

#### THINNING:

Dilute 1 part HV160 with 5 parts water immediately before addition to the chosen coating.

#### APPLICATION:

The coating mixture containing additive should be used immediately after preparation and used within 12hrs.

**VOC Content:** 40 g/ltr (almost zero effect on the coating mixture overall VOC due to small dosage used)

### HV190:

#### AREA OF USE:

HV190 can be used to achieve adhesion directly to glass for purposes of Decorative Splashbacks, room divider panels, etc.

It can also be used to double-crosslink coatings already blended with HV160, to achieve optimum possible durability results.

#### DOSAGE:

6% by volume of base material, after pre-thinning (see below)

#### THINNING:

Dilute 1 part HV190 with 1 part water immediately before use.

#### APPLICATION:

The coating mixture containing additive should be used immediately after preparation and used within 12hrs.

#### DOUBLE CROSS-LINKING:

In the case of using both additives, they shall be added one after the other following the above order, slowly and under constant stirring.

**VOC Content:** 106 g/ltr (almost zero effect on the coating mixture overall VOC due to small dosage used)