

Any suggestions given as to the preparation and usage of materials in this section are given in good faith and taken from advice given, in-house testing, or from reference works. We should state that every artist consulted had slightly different techniques and ideas for the usage and application of the materials. Our intention is to provide a reference point for general guidance only.

HAUSSMANN DRY SCENIC COLOURS



These vibrant colours really need to be seen!



The Haussmann pigments are pure pigments with some really vibrant bright colours. They contain no lead or cadmium. Together our suppliers can provide you with a full range of scenic colours which, when correctly mixed, will provide a dust-free and smudge-proof coating to enhance your scenery. A hand-painted colour chart is available for a nominal sum.

Methods There are three ways of converting your dry pigment into liquid paint. In all cases firstly add sufficient cold water to your powder to make a thick paste. Never try to mix powders directly into your binding medium. Some powders, especially yellows, reds and fluorescent pigment, can prove difficult to mix. This can be helped by using Flints Dispersant [page 20]. Adding a drop of washing-up liquid or some meths can also help to break the surface tension. Because dry powders darken when wet, some artists will mix the powders while dry to achieve the desired colour rather than mixing wet paint. Once you have mixed up your thick paste try to leave as long as possible before making your paint – overnight is ideal. Then proceed with one of the following methods:

The Traditional Method is to use Granular Size [page 111]. In a galvanised bucket mix 500 g of size with 1 L of cold water, agitate well and leave for at least an hour to swell into a thick gel. Place the bucket into another bucket half full of water and warm on a hot plate. Take care that the size does not exceed 55° C. Once the size has completely dissolved, gradually dilute it further with warm water. The mix should feel sticky between the fingers and should run smoothly from a stick without dripping. Finally mix the liquid size with the pigment paste. Check the mix by dipping a piece of paper and drying it with a hairdryer. The paint should not rub off, if it does, add more size. If the surface sparkles all over then the mix is probably too strong. The paint should be applied to the primed canvas [page 117] whilst still warm. Canvas flats painted with this method can be tightened by applying warm water to the back of the flat. Cloths painted this way remain soft and will roll and tour well. The paint can be removed by scrubbing hard with warm water but this will have a detrimental effect on any flame retarding chemicals in the canvas.

The Modern Method is to fix the pigment with a binder medium such as Flints Emulsion Glaze [page 47] or any PVA glaze. Just add the medium to the pigment paste until a smooth thin cream is obtained. This paint is applied cold.

The Temporary Method is to use the pigment with little or no binder. This will make an un-fixed paint useful as temporary graffiti for film location work. It will wash off with water. The paint will cover between 8 - 10 m² per litre.



Due to the limitations of the printing process used in this catalogue the colour chart should only be used as a rough guide

Haussmann Dry Scenic Colour	code	price	code	price
	500 g		5kg	
Turquoise Blue	DPP19301	£10.96	DPP193015	£79.98
Ultramarine Blue	DPP19308	£8.95	DPP193085	£63.16
May Green	DPP19401	£8.98	DPP194015	£56.12
Emerald Green	DPP19407	£6.78	DPP194075	£55.03
Leaf Green	DPP19410	£7.11	DPP194105	£56.19
Lemon Yellow	DPP19101	£6.25	DPP191015	£44.68
Chrome Yellow Light	DPP19103	£6.56	DPP191035	£46.00
Yellow Oxide	DPP19104	£7.30	DPP191045	£49.35
Indian Yellow	DPP19107	£6.65	DPP191075	£47.98
True Orange Medium	DPP19155	£9.10	DPP191555	£58.16
True Red Light	DPP19201	£7.20	DPP192015	£48.28
Raw Sienna	DPP19803	£7.26	DPP198035	£52.89
Burnt Sienna	DPP19804	£7.98	DPP198045	£62.41
Raw Umber*	DPPRU0500	£7.25	DPPRU5000	£51.40
Burnt Umber*	DPPBU0500	£5.91	DPPBU5000	£37.52
Deep Black	DPP19554	£9.65	DPP195545	£76.88
White	DPP19100	£8.50	DPP191005	£72.10
Hand-painted colour chart			DPPCC	£2.00

*Haussmann has been unable to maintain a supply of Umber pigments so we have sourced another, also very reputable, supplier.

Safety

When handling dry colours always wear gloves and a mask such as the 3M 8825 [page 322]. The powders listed are of low toxicity. Flints does not stock the toxic lead-based pigments. Health and safety sheets can be downloaded from flints.co.uk/downloads.

FLUORESCENT POWDERS



NEW SIZE



Flints Fluorescent Powders Very pure and vibrant. They have not been heavily bulked up with chalk like many of the powders on the market. The pigments are neatly packaged in plastic tubs. To make up into a paint, firstly add a little water or ideally Flints Dispersant to the powder and mix into a thick paste. It is best to leave the paste to stand for as long as possible, ideally overnight, before adding emulsion glaze to achieve your ideal consistency. For large jobs a hand drill with a paint mixer will speed things up. As with all fluorescent paints, they are best applied onto a white basecoat.

Why not hire a UV light to check your effect as you progress? [page 360]

1 kg will make around 10 litres of very intense paint.
Now available in 100 g pots!

Fluorescent Powders	code	100 g	code	1 kg	5+
Magenta	DPPFM100	£5.50	DPPFM	£19.25	£16.00
Pink	DPPFP100	£5.50	DPPFP	£19.25	£16.00
Red	DPPFRR100	£5.50	DPPFRR	£19.25	£16.00
Orange	DPPFOY100	£5.50	DPPFOY	£19.25	£16.00
Golden Yellow	DPPFGY100	£5.50	DPPFGY	£19.25	£16.00
Super Yellow	DPPFSY100	£5.50	DPPFSY	£19.25	£16.00
Glow Green	DPPFGG100	£5.50	DPPFGG	£19.25	£16.00
Peacock Blue*	DPPFPB100	£5.50	DPPFPB	£19.25	£16.00
Violet*	DPPFV100	£5.50	DPPFV	£19.25	£16.00

Note about UV Light Both the LED UV Light and the Non-LED Floodlight [page 328] work well with the Flints Fluorescent Powders. The Peacock Blue* and Violet* are included to provide a complete range of colours however these colours will never really fluoresce like the others but are just very vibrant.

FLINTS DISPERSANT



Flints Dispersant Add pigment powder to a very small quantity of dispersant whilst stirring until a very thick paste is achieved. This thick paste can be diluted slightly with water before mixing with a glaze. Add the paste to the glaze to produce the desired depth of colour. Be careful because the dispersant is a retarder and if you add too much the paint will take a long time to dry.

- ✓ Very effective – makes mixing smooth paint fast and easy
- ✓ There is a little video of the dispersant on our YouTube site

Flints Dispersant	size	code	price
	50 ml	PATFPD	£1.07

PAINT THICKENER



Polymeric Paint Thickener Used to thicken PVA or acrylic paints when the existing paint has too much flow. Add the thickener drop by drop whilst stirring vigorously until the desired thickness is achieved. The thickener may be diluted slightly with water to improve the mixing. Do not exceed 3% of thickener to paint.

Polymeric Paint Thickener	size	code	price
	250 ml	PAT0662	£10.06

FLINTS LIQUID PIGMENTS



Flints Concentrated Liquid Pigments These powerful liquid pigments are non-toxic and lead-free. They are fully intermixable water-based products containing no solvent. Use them as tints in paints and glazes. They are a preferable choice for colouring textures as only a small quantity of liquid is needed so the consistency of the texture is preserved. Pigments can be mixed with PVA binder or a glaze such as Flints Glaze to make a paint. 30 g per litre will make a strong paint or 10 g per litre will make a medium paint [as shown in the chart above].

Liquid Pigments	code	250 g	colour	code	250 g
White	CLP0012	£12.88	Violet	CLP0152	£17.47
Black	CLP0032	£12.88	Royal Blue	CLP0172	£17.47
Lemon	CLP0052	£17.47	Turquoise	CLP0192	£17.47
Buttercup	CLP0072	£17.47	Emerald	CLP0212	£17.47
Orange	CLP0092	£17.47	Chestnut	CLP0232	£17.47
Scarlet	CLP0112	£17.47	Red	CLP0132	£17.47

WHITING & SIZE FOR PRIMING CANVAS FLATS



Whiting is refined, ground and washed calcium carbonate. Used to make gesso and as a primer for scenic canvas when mixed with size. This primer will tighten the canvas to a drum-like tension resulting in a perfectly flat surface to paint on to. The mix is a matter of choice but the following guide may help. Soak 1 part of Granular Size to 2 parts of water for one hour then warm in a double boiler until the size has completely dissolved. Two galvanised buckets with a brick in the bottom make a good double boiler. Stir in the whiting and more water until you achieve a mix that will just run from a stick in a continuous stream. To test the mix dip in a piece of paper and dry with a heat gun. There should be just one or two sparkles of size reflecting in the light, too many and the mix is too strong but too few and the whiting will not be fully bound. Apply to the flat avoiding holidays while the mix is still warm. Note: When canvassing the flats be careful not to stretch the canvas too tightly as the shrinking effect of the warm size could "banana" your frame. For priming cloths we also recommend using Rosco White Base diluted 2:1 with water [page 2].

Whiting	code	per kg	code	25 kg
	PAT850	£1.38	PAT850B	£13.26
Size	code	per kg	code	25 kg
	PAT852	£6.01	PAT852B	£117.34
Priming Equipment	code			price
Galvanised Bucket	PBR619			£19.95
Hot Plate	PBR619HP			£36.78

FLINTS WATER-BASED DYES



F Flints Safe Water-Based Dyes They are ideal for working on cloths and gauzes which need to remain supple and they normally require no fixing. The dye can be applied by brush or spray like conventional scenic paints. Items such as rope can be soaked directly in the dye and hung up to dry. Our blue dyes are used worldwide for skycloths. Supplied as a powder in easy to store 250 g pots. To use just add 2 litres of hot water to 25 g of dye. Each container holds enough dye to make approximately 20 litres depending on the final colour tone required [the chart shows the colours full and half strength]. Our silver grey is made from one dye type so it remains grey even when heavily diluted, many dyes veer towards brown or blue as they are diluted. This dye is ideal for weathering timber. Flints dyes are not suitable for use on synthetics.

- ✓ Safe and simple to use
- ✓ Normally require no fixing
- ✓ Keeps cloths supple

Flints Safe Water-Based Dyes	250 g		£18.17
Turquoise/Azure	DPPD2	Gordon's Sky Blue	DPPD4
Royal Blue	DPPD6	Indigo Blue	DPPD8
Cornflower Blue	DPPD10	Blue Violet/Purple	DPPD11
Red	DPPD12	Bramble Pink	DPPD14
Burnt Orange	DPPD16	Chestnut Brown	DPPD18
Ochre Brown	DPPD20	Sun Gold	DPPD22
Lemon Yellow	DPPD24	Lime Green	DPPD26
Mid Green	DPPD28	Bottle Green	DPPD30
Charcoal	DPPD34	Silver Grey Driftwood	DPPD32
Black	DPPD36		

FIXITOL P



Fixitol P If the dyes are being used on very thick fabrics such as velour or if the cloths are being handled frequently then the dyes can be additionally fixed by spraying with Fixitol P which will help prevent any rub off. To spray, add 40 g Fixitol per litre of water.

Fixitol P	code	1 kg	code	5 kg
	DPP20011	£6.90	DPP20015	£19.57

See also Van Dyke Crystals [page 26].

HATO@SILK PAINTS FOR SILK AND LIGHT FABRICS



Bleed-free!

Hato@ Silk SM is a concentrated paint system for use on lightweight fabrics made of natural or synthetic fibres [such as silk, tulle or voile]. Based on a new type of binder, which when dry produces an extremely soft "hand" in the fabrics painted. Hatosilk SM is free of lead or cadmium pigments and is water-soluble and odourless. It is colourfast and safe to use in washing machines using the delicate cycle and mild detergents at temperatures up to 40° C.

- ✓ Very soft "hand"
- ✓ Machine washable for costumes
- ✓ Virtually bleed-free
- ✓ No extra fixing required

Hatosilk SM is intended to be diluted with water in ratios from 1:1 to 1:3. It can be applied either by brush or spray gun. Even when heavily diluted, sharp cut lines can be painted without bleeding into adjacent fibres. When dry, it does not need a further fixing. See also HatoSprila on page 18.

Hato@Silk SM	1 L pot		5+ 1 L
	£36.00		£30.60
*Lemon	PAT12201	*Yellow	PAT12202
*Ochre	PAT12203	*Orange	PAT12204
*Carmine	PAT12205	*Bordeaux Red	PAT12206
Light Rose	PAT12230	Light Violet	PAT12207
*Violet	PAT12208	Light Blue	PAT12209
*Steel Blue	PAT12210	*Ultramarine Blue	PAT12211
Milori Blue	PAT12231	*Light Green	PAT12212
*Sap Green	PAT12213	*Leaf Green	PAT12214
*Bistre	PAT12215	*Sepia	PAT12216
*Black	PAT12217	*White	PAT12218
Colourless	PAT12220		

Hato@Silk Starter Kit	code	price
16 x 50 ml pots	PAT12200	£93.85

[Included colours are marked above with an *]

Flints stocks the beautiful Großmann Long Handled Brushes [page 62].