

BINDERS & ADHESION PROMOTERS

Binders - when to use them?

Many people think of binders as only being useful for when they wish to make their own paint from scratch, using pigments and powders, however, they are far more useful than that! For example if you have a paint, like Rosco SuperSaturated [page 12], which gives you the perfect colour, but you want to reduce the concentration of the colour down to a wash, most people would just dilute with water - no problem? Unfortunately, by doing this, you are also reducing the concentration of the binders, which in turn will dramatically reduce the adhesion of the diluted paint and make it much less hardwearing. The solution is to instead dilute the paint using the base binder (if available), thus reducing the concentration of the pigments, but not the adhesion of the paint. Winner winner, chicken dinner.

BASE BINDERS



Rosco Neutral Base An acrylic binder with no pigment to use to increase adhesion when paint has been diluted with water. It is especially useful with heavily diluted supersaturated paints that are being used on difficult surfaces. Add it to Rosco paint when painting items such as door handles.

SPECIFICATION: Covers 8 - 10 m² per litre.

Rosco Neutral Base	code	1 L	code	5 L
	ROS16001	£19.25	ROS56001	£73.25



Bristol SuperScenic Binder This pigment-free binder from the Bristol SuperScenic range [see page 14] is available separately to allow colour dilution without reducing the adhesion - vital when a durable finish is required, but can also be used

to make your own highly flexible paints. Why not check out our scenic pigments and powders on page 24 Primarily designed to be used on fabrics, it can also be used on other surfaces.

Bristol SuperScenic Binder	size	code	price
	1 kg	BSSB1	£26.71
	4 kg	BSSB4	£98.64



Hato@Silk SM Strictly this is not a binder designed to be used stand-alone, but rather it's the base of the incredible Hato@Silk range [see page 28] but we reckon it's useful to be listed here. If used with your own pigments [liquid pigments -page 29- might work best] we are confident you could create a huge array of fabric paints which are washable at 40°C. We of course can make no promises, and as usual, you will need to do

your own tests. The real genius of this binder is that it's water-dilutable, however you will need to ensure that you don't over-dilute it or you will remove all the binding agents [max 1:3 binder: water]. Suitable for spraying, or application by brush - it will hold a very clean line without bleeding into adjacent fibres.

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

Hato@Silk SM	code	1 L pot	5+
Colourless	PAT12220	£37.80	£32.00

TRADITIONAL BINDERS



Granular Size The most popular traditional glue for sticking canvas to timber flats and also used in the preparation of traditional scenic paints [page 24]. To prepare size as a glue, mix 1 part of size with 1.5 parts of water whilst agitating. Leave to soak for one hour. Then dissolve by warming in a double bucket [water jacket] diluting further to a working consistency. Do not exceed 55°C.

Granular Size	code	1 kg	code	25 kg
	PAT852	£11.38	PAT852B	£226.65

See also Scenic Pigments & Powders [page 24] for a full description of how to make paints with Granular Size.

GLAZES AS BINDERS

Making Paint with Flints Glaze

When Flints Emulsion Glaze is used with powder pigments to make up a paint, the result will be a very tough coating difficult to scratch with a coin. Some powders are harder to mix than others. Fluorescent powders seem to be the hardest. The best way to make the paint is to use a little water to make up a thick smooth paste. Use as little water as possible or it will affect the viscosity of the paint and its ability to hold the pigment in suspension. Never try mixing powders directly with the glaze. If you are finding the powders hard to mix with the water then use our Flints Dispersant [see next page] which should solve the problem. If you don't have any Flints Dispersant to hand, you could try adding a drop of meths or washing-up liquid to break the surface tension. Scenic Powder Colours are listed on pages 24 and 27.



Flints Emulsion Glaze Flints Emulsion Glaze is different to most PVA emulsion glazes. You will find it has greater strength and durability and more water resistance.



- ✓ Reliably clear even on black
- ✓ Good gloss level from Gloss Glaze
- ✓ Low reflectance from Matt Glaze
- ✓ Apply over artwork to protect from marking
- ✓ Can be wiped down with a damp cloth
- ✓ Amazingly tough scratch resistant finish
- ✓ Excellent water resistance
- ✓ Mix with scenic paints for extra strength or eggshell effects
- ✓ Good flowing characteristics make these glazes easy to brush
- ✓ May be sprayed
- ✓ Fantastic value. Covers 15-20 m² per litre.

Flints Emulsion Glaze	code	1 L	code	5 L
Gloss	PAT120	£15.25	PAT130	£45.00
Matt	PAT121	£15.25	PAT131	£45.00



Mylands Emulsion Glazes

Very popular glazes, excellent value. Available in matt or gloss. Always do a test area before using. Try to ensure good drying conditions to avoid any blooming. Flints sells the larger size well below the list price of £64.87 per 5 L

Mylands FR Glaze	code	1 L	code	5 L	Tradeline 5+
FR Gloss	MYL120	£19.98	MYL130	£46.28	£43.97
FR Matt	MYL121	£19.98	MYL131	£46.28	£43.97

For more advice on
Flame Retardants see page 70.



Polyvine Decorators Varnish A best-selling water-based varnish of exceptional clarity which will protect scenic artists' work both indoors and out*. The varnish has UV filters to help prevent work from fading and will bond to emulsion, wood, latex, plaster, wallpaper, glass and non ferrous metals. It is not recommended on oil-based paints or on exterior horizontal surfaces. *For further information and other Water-Based Glazes go to page 51.

Superb
dead flat
finish!

Polyvine Decorators Varnish - Dead Flat	code	price
500 ml	POL2032	£12.60
1 L	POL2033	£20.88
2 L	POL2034	£37.77
4 L	POL2035	£70.45

Polyvine Decorators Varnish - Satin	code	price
500 ml	POL2012	£12.60
1 L	POL2013	£20.88
2 L	POL2014	£37.77
4 L	POL2015	£70.45

Polyvine Decorators Varnish - Gloss	code	price
500 ml	POL2022	£12.60
1 L	POL2023	£20.88
4 L	POL2025	£70.45

SPECIALIST BINDERS & ADHESION PROMOTERS

Bristol AquaPlus This is the binding medium in the metallic intermixing system which enables you to mix Bristol Metallic Palette [page 34] with Bristol Primary Palette [page 18]. It also gives excellent protection and enhanced durability to painted surfaces with solid and metallic colours.

Bristol AquaPlus	code	price
1 L	BRIAP1	£10.00
2.5 L	BRIAP3	£22.69
5 L	BRIAP6	£43.16



Bristol AquaGrip This coating when mixed 1:1 with Bristol paints will give excellent adhesion to Plexiglass and other difficult surfaces. Allow 2 days for full cure. See page 56 for Bristol Glazes.

Bristol AquaGrip	code	1 L	code	2.5 L
	BRIAG1	£35.19	BRIAG3	£79.96



Cellulose Bronzing Medium

Ormaline metallic paint medium for making metallic paints using the powders listed on page 35. See also shellac-based Transparent Polish [page 60] which can also be used as an economical medium for the powders.

Cellulose Bronzing Medium	code	250 ml	code	1 L
Ormaline Medium Base	PATBM2	£17.33	PATBM1	£51.43

USEFUL BITS



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	£2.40



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	£11.65

PAINT CONDITIONERS



Kills
Roller
Marks!

Floetrol Maintains paint quality! Mix Floetrol into emulsion paint to:

- ✓ Extend the life of spray guns
- ✓ Improve spray pattern and coverage
- ✓ Minimize holidays when rolling or brushing
- ✓ Reduce spray pressure by 20%
- ✓ Reduce roller pressure and avoid paint build up giving a spray-like finish
- ✓ Reduce tip clogging and piston freeze up when spraying

Mix 1 L of Floetrol to 10 L of emulsion.

Floetrol	size	code	price
	1 L	PAT073	£20.09
	2.5 L	PAT074	£44.01

See also Glazes [page 52].