



Technical Data Sheet

Tinting Guidelines for Shalex Sealers

General Guidelines

Shalex Clear Sealers may be tinted with pigment dispersions (typically referred to as tinters), such as those supplied by major paint manufacturers for point of sale tinting. We do not recommend the use of dry oxides and pigment powders as these may not disperse efficiently.

It is important that only water based or universal pigment dispersions are used. Specialty pigments such as those used in Automotive tinting are not suitable.

Pearlescents, fluorescents and metallics have not been specifically tested with our products. If you plan to use these we suggest you trial first to confirm the effect prior to large scale mixing and application.

Opacity is a key consideration when tinting a clear product. Low levels of tinter will result in a transparent effect similar to a timber stain or oil whereas higher tint levels will develop more hiding power and opacity similar to a paint.

Different pigments have different hiding power. Adding 1Y of an oxide based pigment such as titanium white is likely to result in a markedly different opacity to 1Y of an inorganic pigment such as yellow.

As pigment dispersions typically contain Glycol, drying times will be extended in tinted product. Allow additional time for each coat to dry when higher levels of tint are added (eg more than 1Y per 5Ltr).

Adding colourants will increase the VOC (volatile organics compounds) level of the coating by up to 10grams per litre. Higher levels of tint may alter the VOC rating of the product.

Application Instructions

As pigments have differing weights they will behave differently when mixed with Shalex sealers. While paints typically have thickeners that hold pigments in suspension our low viscosity sealers will tend to see heavier pigments drop out to the bottom of the pail. Tinted product should be kept well agitated (stir - do not shake as this introduces air and may affect the clarity of the final coating) both immediately prior to decanting and during application.



Technical Data Sheet

Warning: Translucent or lower tint levels will provide increased opacity with multiple coats. If the same number of coats are not applied or each coat is not applied evenly to adjacent areas, lap marks (differing colours) may be visible in the finished work. Cut lines and 'picture framing' are a key issue and care should be taken to ensure work is consistent. If unsure test multiple coats on a board or test area prior to application.

With spray application care should be taken not to overload an area as drips and run lines can similarly remain visible in finished work.

Tinting Instructions

As a Guide Shalex Clear sealers should be tinted with the colorant combination shown for a clear base. Eg If a colour is required from a paint fandeck, the colour matching system should be set to clear base to obtain the tint formula.

Opacity is usually achieved at between 6% and 9% tinter dependant on the colour and pigment combination used. Always trial at the lower level, test and then add more colourant if required. Check colour when dry – wet samples will generally appear lighter and dry darker.

As a starting point the following table provides a guide. Check with your colourant supplier as to how many Y per Litre of tint and how many points per Y. Eg 32Y per Litre with 48 points per Y is 1536 points per 1000ml of colourant.

Tinting a 5Ltr as per the table below

$$1000/1536 * 300 = 195 \text{ points or } 4Y \ 3 \ \text{Lower Range}$$

$$1000/1536 * 450 = 293 \text{ points or } 6Y \ 5 \ \text{Upper Range}$$

	Pail Size		
	1Ltr	5Ltr	15Ltr
Lower (mls)	60	300	900
Upper (mls)	90	450	1350

If a paint formulation for a clear based suggested the following for a 5Ltr pail

B 2Y 12

C 6Y 24

Kx 7Y 18

This totals approx 16Y of tint. Based on the guide above a lower range of approx 4Y 3 per 5Ltr you would quarter the formula above as a starting point and then add tint in the ratio as above. Many tint systems allow you to scale by adjusting the can size. Eg to quarter the 5Ltr formula set the can size to 1.25ltr



Technical Data Sheet

Product Specific Tinting

Sealit Multipurpose for Tinting Concrete Blocks & Concrete

Shalex Sealit Multipurpose can be used to achieve a coloured 'stain' to concrete and masonry walls, as an alternative to purchasing coloured concrete or blocks. We suggest trialling tint at very low levels.

Eg Light Grey add 8 points Black Tint per litre of Sealit Multipurpose. Apply 2 coats as per instructions. Application of a final untinted coat over the surface will prolong the life of the coating.

Dipping cement blocks prior to laying will enhance this effect as untinted mortar will provide a contrasting colour to the tinted block. Remove excess in a dabbing motion with a rag prior to drying.

Tinting Glaze

Shalex Glaze can be used to achieve a hardwearing opaque finish similar to paving paint and garage floor paints.

Eg. Mid Grey Garage Floor Paint – Add 1Y B (Black), 14points L (Raw Umber) and 2 point Kx (White) per 5Ltr pail Glaze. Apply 2 Coats.

Note that Glaze is suitable for application over porous surfaces only and overcoating previous coatings is not advised. We do not advise a fleck or colour chip is used due to the thin film build of Glaze.

Tinting Membrane

Shalex Membrane can be tinted if required. Due to the high film build of membrane greater opacity is achieved at lower levels of tint.

DISCLAIMER

Customers are advised to consider the information in this data sheet in the context of how the product will be used, including surfaces and any other products used. The information provided in this data sheet represents our best scientific and practical knowledge. Any advice, information or assistance provided by Shalex in relation to its products is given in good faith, however is provided without liability or responsibility. Due to the wide variety of site conditions we are unable to assume liability for any loss that may arise from the use of our products. The user is responsible for checking the suitability of products for their intended use.