

## SYROX WATERBORNE BASECOAT

### DESCRIPTION

The Syrox Basecoat is part of the compact Syrox refinish system. The waterborne formulation is new European technology. That means easy, familiar application methods and great results. The specially-designed bottles only need to be shaken by hand before use, and with their special dosing lids and level indicator window, refinishers can use every last drop of material. Using Syrox Basecoat and its colour tools gives no-nonsense, accurate colour matching, while the colour database provides Syrox users with access to over 70,000 colour formulas.

### SYROX REFINISH SYSTEM



### PRODUCT LIST

- SYROX BASECOAT
- S940 BASECOAT THINNER
- S941 BASECOAT THINNER SLOW
- S6100 BASECOAT ACTIVATOR

### FEATURES

- 2.5 coat wet-on-dry application.
- Ready to use; simple mixing ratio for all colours.
- Precise dosing.
- Easy blending.
- Very little overspray.
- Good vertical stability.

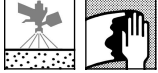


## SYROX WATERBORNE BASECOAT

### Product preparation - application STANDARD / 2-STAGE



It is strongly recommended to use appropriate personal protection equipment during application to avoid respiratory, skin and eye irritation.



Original or old finish, fully cured, well maintained and sanded.  
Surfaces coated with a primer surfacer or surfacer.  
Thoroughly clean original or old finish and Surfacer.  
Sand dry with random orbital sander and dust extraction: P500 – P600 grade, or wet with P800 - P1000 grade.  
Before further treatment, clean once more with Syrox S9000 Hydro Cleaner.



	Standard	High Temperatures & Low Humidity (<30% R.H.)
<b>SYROX WATERBORNE BASECOAT</b>	1	1
<b>S940</b>	20%	-
<b>S941</b>	-	20%

20 % S940 Basecoat thinner. (for all color formulae)  
20 % S941 Basecoat thinner slow only to be used at high temperatures & low humidity. (for all color formulae)  
Ensure bottles are thoroughly shaken before mixing colour.  
Stored material should be stirred well before use.  
Activation only needed for the Ground coats, not for the Effect coats.



For optimum application properties, apply the basecoat immediately after addition of Syrox Basecoat Thinner S940 or Syrox Basecoat Thinner Slow S941. Use within same working day. Colours should be stored without the addition of the S940 or S941.



	Spray nozzle	Spray pressure	
<b>Compliant</b>	1.2 - 1.3	1.8 bar	inlet pressure
<b>HVLP</b>	1.2 - 1.3	0.7 bar	atomisation pressure

see manufacturer's instructions



2.5 Single coats or until opacity is obtained for effect colours. with intermediate and final flash-off until flat

at 20°C

1: apply single coats until opacity is obtained with intermediate flash off  
2: after flash-off of the final coat, a drop/effect coat can be applied if desired at a reduced inlet pressure of 1– 1.5 bar to provide optimum effect and color position - using a slightly increased distance to the object  
3: ensure the drop/effect coat is flashed off before overcoating with 2K Clear coat.

2 - 3 Single coats or until opacity is obtained for solid colours. with intermediate and final flash-off until flat



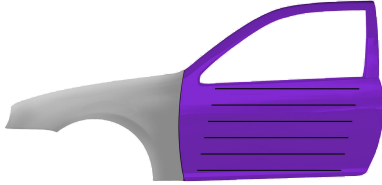
Syrox Clears

VOC compliant

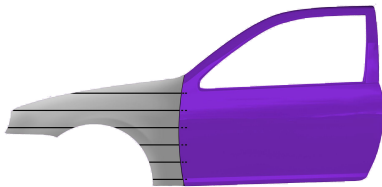
2004/42/IB(c)(420) 420: The EU limit value for this product (product category: IIB(c)) in ready to use form is maximum 420 g/l of VOC. The VOC content of this product in ready to use form is maximum 420 g/l.

## SYROX WATERBORNE BASECOAT

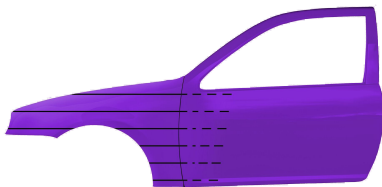
### Blending Process for 2-Stage colours



Adjacent panel: sand panel with suitable abrasive e.g. Trizact – P1000.  
New part sand surfacer with P500.



Apply 1st layer of basecoat and flash until matt.



Apply the second layer slightly extending the area of application. Flash until matt (repeat if hiding is not achieved).



Apply 1-2 effect coats at reduced inlet pressure @ 1.0 – 1.5 bar inlet pressure to produce a smooth transition. Flash off.



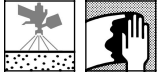
Apply Syrox Clear to the full repair area.

## SYROX WATERBORNE BASECOAT

### Product preparation - application STANDARD / 3-STAGE



It is strongly recommended to use appropriate personal protection equipment during application to avoid respiratory, skin and eye irritation.



Old or original paintwork well sanded and cleaned.  
Surfaces coated with a primer surfacer or surfacer.  
Thoroughly clean original or old finish and Surfacer.  
Sand dry with random orbital sander and dust extraction: P500 – P600 grade, or wet with P800 - P1000 grade.  
Before further treatment, clean once more with SYROX S9001 Cleaner.



	Activated	Activated - High Temperatures & Low Humidity (<30% R.H.)
<b>SYROX WATERBORNE BASECOAT</b>	1	1
<b>S6100</b>	5%	5%
<b>S940</b>	20%	-
<b>S941</b>	-	20%

Ensure bottles are thoroughly shaken before mixing colour.  
Stored material should be stirred well before use.  
Activation only needed for the Ground coats, not for the Effect coats.



Pot life at 20°C: 45 min - 2 hr



	Spray nozzle	Spray pressure	
<b>Compliant</b>	1.2 - 1.3	1.8 bar	inlet pressure
<b>HVLP</b>	1.2 - 1.3	0.7 bar	atomisation pressure

see manufacturer's instructions



2 Ground coats (2K Hardened) with intermediate and final flash-off until flat  
2 - 2.5 Single coats until opacity is obtained. with intermediate and final flash-off until flat  
at 20°C

1: apply single coats until opacity is obtained with intermediate flash off  
2: after flash-off of the final coat, a drop/effect coat can be applied if desired at a reduced inlet pressure of 1– 1.5 bar to provide optimum effect and color position - using a slightly increased distance to the object  
3: ensure the drop/effect coat is flashed off before overcoating with 2K Clear coat.



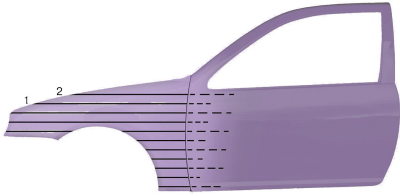
Syrox Clears

VOC compliant

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## SYROX WATERBORNE BASECOAT

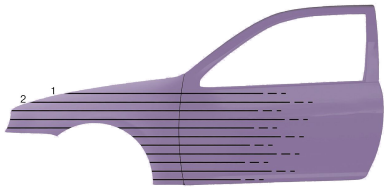
### Blending Process for 3-Stage colours



Spray the area on which surfacer was applied with ground colour. Apply in single coats with intermediate flash off. Slightly extend each coat so that it forms an opaque film.



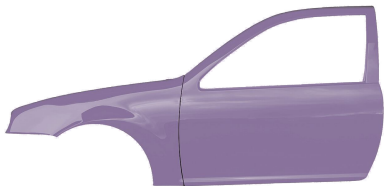
After flash off apply a further light coat at reduced inlet pressure to create a smooth transition. Flash off (preferred 5 -10 minutes at 60-65°C).



Spray the area on which the ground colour was applied with the first layer of effect coat and flash off. Extend the area of application with a second coat and flash off (repeat if necessary for colour accuracy).



Apply 1-2 effect coats at reduced inlet pressure @ 1.0 – 1.5 bar inlet pressure to produce a smooth transition. Flash off.



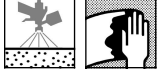
Apply Syrox Clear to the full repair area.

## SYROX WATERBORNE BASECOAT

### Product preparation - application STANDARD - ACTIVATION/INTERIOR



It is strongly recommended to use appropriate personal protection equipment during application to avoid respiratory, skin and eye irritation.



Old or original paintwork well sanded and cleaned.  
Surfaces coated with a primer surfacer or surfacer.  
Thoroughly clean original or old finish and Surfacer.  
Sand dry with random orbital sander and dust extraction: P500 – P600 grade, or wet with P800 - P1000 grade.  
Before further treatment, clean once more with SYROX S9001 Cleaner.



	Activated	Activated - High Temperatures & Low Humidity (<30% R.H.)
<b>SYROX WATERBORNE BASECOAT</b>	1	1
<b>S6100</b>	10%	10%
<b>S940</b>	20%	-
<b>S941</b>	-	20%

Ensure bottles are thoroughly shaken before mixing colour.  
Stored material should be stirred well before use.



Pot life at 20°C: 30 min - 1 hr



	Spray nozzle	Spray pressure	
<b>Compliant</b>	1.2 - 1.3	1.8 bar	inlet pressure
<b>HVLP</b>	1.2 - 1.3	0.7 bar	atomisation pressure

see manufacturer's instructions



2 - 2.5 Single coats until opacity is obtained.

with intermediate and final flash-off until flat

at 20°C

1: apply single coats until opacity is obtained with intermediate flash off  
2: after flash-off of the final coat, a drop/effect coat can be applied if desired at a reduced inlet pressure of 1– 1.5 bar to provide optimum effect and color position - using a slightly increased distance to the object  
3: ensure the drop/effect coat is flashed off before overcoating with 2K Clear coat.



Clearcoat not needed for interior use

VOC compliant

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# TECHNICAL DATA SHEET



## SYROX WATERBORNE BASECOAT

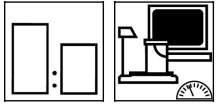
### Products

SYROX BASECOAT

S940 BASECOAT THINNER  
S941 BASECOAT THINNER SLOW

S6100 BASECOAT ACTIVATOR

### Product mix



Mixing ratios with special agents are available in the productmix table on Colour Search and in the specific TDS.



10 - 20  $\mu\text{m}$



Clean after use with a suitable waterborne guncleaner.

Consult Safety Data Sheet prior to use. Observe the precautionary notices displayed on the container.

All other products referred to in the refinish build up are from our Syrox product range. System properties will not be valid when the related material is used in combination with any other materials or additives which are not part of our Syrox product range, unless explicitly indicated otherwise.

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