

# Standohyd – A brilliant future for your bodyshop.



**The Art of Refinishing.**

Of course I'm familiar with Standox, but what is Standohyd?	3
What is VOC all about, anyway?	4
What are the EU requirements?	5
How do I go about converting my bodyshop?	6
Does Standohyd mean I have to change the way I work?	7
How about the preparation materials?	7
How do I find the right color?	8
Can I use Standohyd for all vehicle colors?	9
Is the result as good as with my old system?	9
Doesn't it cost more per litre?	10
And what savings will my bodyshop achieve?	11



# “Of course I’m familiar with Stadox, but what is Standohyd?”



**Waterborne paints are among the most advanced finishing systems available today. They are economical, easy to use and contribute to preserving the environment.**

Replacing conventional solvents with water is the way forward for modern refinishing. Stadox recognised this trend already at the beginning of the nineties and responded to this challenge early on. The result is Standohyd – an internationally accepted paint system that meets the strict environmental guidelines of the European Union and leaves nothing to be desired in terms of efficiency and economy.

**Standohyd is a widely approved refinishing system**

Standohyd is an important part of **Pro-Future**, the low-solvent product system from Stadox. This system has gained worldwide acceptance and has been officially approved by numerous automotive manufacturers.



# “What is VOC all about, anyway?”



**VOC is short for “volatile organic compounds” which include the kind of solvents that are used in conventional paints and many other products.**

The fact that these solvents escape into the air means they contribute to air pollution. Especially in summer, when high pressure predominates to give fine weather, they promote the formation of ozone close to the ground.

#### **Solvent reduction helps reduce environmental pollution**

While ozone is a natural component of the atmosphere and protects the earth from excessive irradiation by the sun, high ground-level concentrations of ozone can lead to chest pain, coughing and asthma attacks in humans.



## What are the EU requirements?

**The share of organic solvents evaporating into the air during production and use of paint must be reduced dramatically to levels defined in EU Guideline 2004/42/EC.**

In Standohyd materials, water has replaced the bulk of environmentally harmful organic solvents. As such, Standohyd products provide the easiest, most effective and efficient way for bodyshop operators to meet the strict guidelines of the European Union for solvent reduction.

### **Solvent reduction in accordance to EU Directive 2004/42/EC**

In addition, Standox offers **ProFuture** – a range of coordinated VOC-compliant products to ensure high-quality refinishing.



**Nick Gaskell  
Motor Bodies,  
Rishton, UK**

"It's great. We now do the same work, but only purchase 0.6 tonnes of VOC. We also don't use as much material. I thought that was just talk, but it's true. Material savings do compensate for the higher cost of the product."



**Adam Hoog,  
Auto Christian,  
Oberpframmern, D**

"Using waterborne paints is only natural. Nowadays, no modern bodyshop should do without this technology."

# “How do I go about converting my bodyshop?”

**Converting a modern bodyshop to Standohyd is no problem at all, requiring only minimal capital expenditure.**

Your existing Standomix system is suitable for all paints systems from Stadox – including Standohyd.

The ideal spray booth temperature remains between 18 – 22 °C. The storage temperature should ideally range between 5 and 35 °C. Waterborne paints must be protected from frost during storage.

Corrosion-resistant guns and water-resistant equipment can be used as before.

**A special seminar eases your change to waterborne paints**

Standohyd can be sprayed in any standard booth. The greater the airflow and airspeed through the spraybooth, the faster your waterborne paint will dry. Drying equipment and fan systems may be used to accelerate the Standohyd Basecoat drying process. Vehicles can also be placed in an oven to dry large surfaces at 60 – 65 °C for a few minutes.





# Does Standohyd mean I have to change the way I work?

**Any refinisher who is familiar with a conventional refinishing system will have no problem converting to waterborne paints.**

As a result of its high opacity, Standohyd Basecoat can be applied in one operation – even MicroRepairs are not a problem. As a first step, a thin layer is sprayed to ensure good wetting. Then apply a normal spray coat without intermediate

flash-off. Now wait for the surface to get visibly matt – this is the right time to apply your clearcoat.

**Switching over to waterborne paints can be done virtually overnight**

Thanks to the easy application, you will save a lot of time.



## How about the preparation materials?

Standohyd is part of a complete range of VOC-compliant products offered by Standox under the **ProFuture** programme – from preparation materials through to clearcoats.

**A complete range of VOC-compliant products**

All products are perfectly suited for efficient refinishing using Standohyd.



**Autoschade Jan Burik, Goudswaard, NL**

“Our shop converted virtually overnight – we simply placed the new Standohyd Basecoat cans in our mixing system and never looked back. Standox supported us very well during the conversion. One of their field technicians visited our shop to demonstrate the new paint system.”



**Angelo Zaccareo, Selva Autocarrozzeria, Imola, I**

“The changeover to water-based systems implies some adjustment of painting techniques, but in terms of quality of the end product, the advantage is remarkable.”



# “How do I find the right color?”



**This is where the Standohyd Color Box comes in, complementing the Standox OEM Color Box.**

The Standohyd Color Box is a comprehensive color shade documentation that includes the color shades and variants used by international automotive manufacturers in recent years.

### **Sample chips finished with original paint**

To facilitate your work, the 35 x 90 mm sized chips are painted with Standohyd Basecoat using the original color formulation. The color codes and names can be found on the back of each chip. Regular updates will ensure that you have access to the latest color shades.





## Can I use Standohyd for all vehicle colors?

**Standohyd is based on 64 mixing bases, allowing for accurate mixing of approx. 23,000 solid, metallic and pearlescent colors.**

The Standohyd range of colors includes all major current and "classic" vehicle colors. It's advanced pigments give very accurate color matching.

**The range of colors covers all current and classical vehicle shades**

Using Standox Color Tools such as Genius+ and Standown, colors can be matched and mixed precisely. Genius+ is an opto-electronic system which takes measurements directly from the car body and can determine 200,000 different mixing formulas.

## Is the result as good as with my old system?

**Standohyd will stand any comparison with conventional and other waterborne paint systems.**

The quality of Standohyd leaves nothing to be desired and has been proven in comprehensive tests. Standohyd offers predictable processing, excellent color shade accuracy and high efficiency.

**"Just add water and spray"**

Standohyd is a thoroughly tested paint system with a proven track record in a constantly rising number of bodyshops. This is why Standox uses this technology even for its Exclusive Line range of high-quality special effect colors.



**Oliver Fortagne,  
Autohaus Iser,  
Riedstadt, D**

"There were surprisingly few problems during the conversion. This is mainly due to the fact that processing Standohyd Basecoat is so simple: just mix the color, add Standohyd demineralised water and the paint is ready to spray."



**Phil Howe,  
Sterling Motor  
Group, Sudbury, UK**

"Yes, we like it. It took no time at all to get used to it and now we definitely wouldn't go back. It's easier to apply and you just don't have any problems."

# “Doesn't it cost more per litre?”

**The efficiency of a paint system cannot be calculated in prices per litre. Taking a closer look, you will soon find out that Standohyd delivers substantial benefits.**

**Ideal for efficient and economical total and partial resprays as well as MicroRepairs**

## **High opacity**

You simply get more out of every can of Standohyd paint. The special formulation of Standohyd ensures superior opacity. As Standohyd can be applied in a single operation, bodyshops can cut both their material consumption and their working time.

## **Extremely easy preparation**

The process could hardly be easier or cleaner – simply thin the paint with demineralised water using the viscosity stick and you are ready to spray.

## **Quick drying**

State-of-the-art flash-off technology increases productivity and vehicle throughput.

## **Small cans**

Rarely used mixing bases are supplied in 500 ml containers. This means less money tied-up in stock and reduced waste.



# And what savings will my bodyshop achieve?



**Standohyd is more than just a VOC-compliant paint system. To help your bodyshop work even more efficiently, Standox offers a large number of tools and aids matched to Standohyd.**

Standox offers an intensive training programme to prepare you for the conversion to Standohyd. You will learn all about

processing Standohyd and how you can work faster and more efficiently.

## Raise your efficiency to boost your bodyshop throughput

Be sure to tap into those savings potentials. At the bottom line, converting to Standohyd saves both material and labour costs.

**Time and quantity comparison** of an average repair (front wing plus 2 doors) of a medium-sized car with **VW R7X Moon Silver**.

Process	Solvent Basecoat	Standohyd Basecoat
1st coat	2.0 mins	5.5 mins
Flash off	7.5 mins	not needed
2nd coat	3.5 mins	not needed
Final flash off	15.5 mins	11.5 mins
Total time before clearcoat	28.5 mins	17.0 mins
Paint usage	693 g	384 g

Labour savings per vehicle: **11.5 mins**  
 Savings with 40 vehicles per week: **7.7 hours**  
 Total labour savings per month: **32.0 hours**



**Autohaus  
Andreas Iser,  
Riedstadt, D**

"Due to the increased yield of waterborne paint, our material consumption has dropped, so that the conversion has been worthwhile."



**Autolackiererei  
Heinz Frins,  
Troisdorf, D**

Compared to previously used products and brands, the Frins bodyshop in Troisdorf saves time and material using Standohyd. As a cost-conscious manager, Mr Frins precisely calculated the sum saved, which adds up to 40 percent.

## Standohyd – A brilliant future for your bodyshop.





Standex GmbH · Postfach · D-42271 Wuppertal · Germany