

Spray equipment - cleaning & maintenance

Application guidelines

Change over procedures

Waterbased to solvent	
Empty paint	Empty paint
Flush through with clean water	Flush through with appropriate solvent
N/A	Flush with warmy soapy water
Flush through with appropriate solvent	Flush through with clean water
Fill with solvent borne paint	Fill with waterborne paint

Gun cleaning

The internals of the gun are cleaned when cleaning the pump. The only part that needs to be removed for cleaning is the gun filter, and this must be done daily.

Any paint leaks must be attended to immediately. Failure to do so may lead to paint getting into the air chamber.

Any paint residue on the external surfaces of the spray gun should be removed every two to three days using **TEKNOSOLV 7012**.

Gun cleaning

At the end of each working day the following schedule should be followed:

1. Flush paint from pump with clean water via the spray gun back to the paint container.
2. When paint turns to water flush into a waste container for a further 15 to 20 seconds.
3. Using the dump valve on the bottom of the pump filter housing allow the pump to circulate water at a steady rate for a minimum of five minutes.
4. Close the dump valve and exchange waste water for five to six litres of clean water.
5. Using the spray gun, flush clean water through the system to the waste container until you have clear water at the gun.
6. Turn off air to the pump and release liquid pressure from the system.
7. Remove pump and gun filter, clean and replace.
8. If changing pump over from white paint to stain, points three and four may need to be repeated to ensure no product carry over.

9. Ensure the separating oil reservoir is kept topped up. Failure to do this will result in premature failure of the top piston seals.

Clearing blocked spray tips

If the face of the spray tip is kept clean, blockages will be kept to a minimum. A fine stiff brush should be used, which can be ordered from Teknos. On no account use a wire brush, as this may damage the tip.

If paint accumulates quickly on the face of the tips, it is normally due to an incorrect fluid pressure setting or tip size.

The procedure for clearing tips blocked with dry paint is as follows:

- Soak tips overnight in **TEKNOSOLV 7012** or **TEKNOCLEAN 1950** cleaning solvent.
- Wash tips in clean water and remove paint from the recess in the back of the tips with a cocktail stick and a paint brush. If necessary, re-soak the tip in **TEKNOSOLV 7012** or **TEKNOCLEAN 1950**.
- For Wagner tips clean the tip thoroughly using a reversible tip cleaning attachment and a tip cleaning brush.
- For other makes of tips use tip cleaning needles or a tip cleaning broach. However, when using this method extreme care must be used as the tip can be easily damaged. Therefore, the needle or broach must only be used from the back of the tip to avoid damage to the fan pattern.
- Tip cleaning needles and reversible tip cleaning attachments are available from spray equipment suppliers.

General cleaning of filters, tools and equipment

- Any residue of paint can normally be removed with a brush or nylon scouring pad (kitchen type).
- Do not immerse spray guns in cleaning fluid or other liquids as it may damage seal materials.

Cleaning the external surfaces of spray equipment

- Brush **TEKNOSOLV 7012** over effected areas.
- Leave for 10 - 15 minutes.
- Remove softened paint with a hard bristled brush (not wire brush).
- Repeat cleaning procedure as necessary. ▪ Rinse with clean water.