

deffner & Johann

Supplies for RESTORATION | CONSERVATION | ART HANDLING – SINCE 1880

TECHNICAL DATA SHEET

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Oxystrip®

Super Solvent 2K Paint Stripper

Technical Information

Product Features

- The „super solvent“ with particularly strong paint stripping power.
- Innovative, highly dissolving paint stripper for 1- and 2-components paints, on metal and other dense substrates.
- Does not dissolve lacquers, but removes them.
- Ideal for use in the industrial sector (steel construction, etc.).
- Solvent-based, aqueous emulsion cream with alcohol, active oxygen and acids with a flash point above 100°C.
- Adheres very well to vertical surfaces.
- Easy to process, roll- and sprayable.

Scope of Application

- On aluminum, titanium, cast iron, steel with a low carbon content, glass
- On at least temporarily acid-resistant mineral substrates
- Can be used indoors and outdoors

Technical limits

Not suitable for magnesium and steels with a high carbon content. Underlying zinc surfaces can be attacked, as well as limestone, marble, etc. On aluminum the exposure time must be carefully checked and the paint stripping must always be carried out at the optimal dissolving point, as otherwise the acid content may damage the aluminum. Paint stripping of coatings on plastics containing plasticizers is not possible. When used on wood, staining may occur due to the acid content. Test areas must always be created. Due to the large number of 2-component-laquer systems, no guarantee can be given for the dissolving power. If necessary, test other products from the Scheidel paint stripper system.

Technical information

Density at 20°C:	ca. 1,02 g/cm ³
Colour:	yellowish
Odour:	acid smell
Viscosity:	7000 mPas
Form:	pasty
pH-value at 20°C:	2,5
Flash point	> 100°C
Minimum processing temperature:	10°C
Storage/shelf life:	Cool and dry in the closed original container for at least 24 months
Water hazard:	WGK 1 (water hazard class)
Consumption:	250 ml/m ² - 2,0 l/m ² (ca. 100 ml per paint/varnish layer to be removed)
Packages:	1 l, 5 l, 10 l, 25 l
Item number:	135

Application

- Dissolves 1- and 2-component coating systems, such as polyurethane, alkyd resin, acrylate, epoxy resin, powder paints and adhesives.
- Can be applied on aluminum, titanium, cast iron, steel with low carbon content, glass.
- Can be applied on at least temporarily acid-resistant mineral substrates.
- Can be used indoors and outdoors.

In order to develop the full dissolving properties, make sure that there is applied sufficient material. In case of thick layers of paint, remove dissolved layers (without rewashing) and again apply Scheidel Oxystrip® Super Solvent 2K Remover. Always remove dissolved coatings to the optimal dissolving point (only leave it as long as necessary on the substrate, this saves cleaning time and protects the surface).

Supporting influences:

Warm temperatures (between 10°C and 30°C substrate temperature), cover the stained areas with a thin PE-film (advantages of covering: less odour development and more intensive effect). Sufficiently long exposure time.

Disturbing influences:

Rain, drafts, low temperature (cold), absorbent substrates, insufficient ventilation during processing, insufficient material application.

Processing

Preparatory actions:

The object conditions must be checked at the start of work (see development of characteristics). If dissolved coatings are to be removed with a hot-water high-pressure cleaner, collecting devices (foil tube) must be planned. The object must be registered with the responsible authorities. When using the airless- and HVLP-process on large surfaces outdoors, cover the framework with tarpaulins. Thoroughly mask plastic surfaces and surfaces that are not to be stripped. Ensure sufficient ventilation indoors (technical ventilation).

Test areas:

Create palm-sized test areas to check substrate compatibility and coating structure. For large objects, create several test areas **at different positions**. Note environmental conditions such as time and temperature and check the progress of the dissolution at various time intervals.

Application:

If necessary, stir Scheidel Oxystrip® Super Solvent 2K Paint Stripper mechanically before use until the product has a homogeneous consistency. For large-area application, apply from bottom to top. Always apply generously, only sufficient material application ensures an intensive effect.

Airless process:

Completely remove filters and sieves in the device. Standard nozzles: mm/inch 0.530/0.021 to 1.070/0.043. Working pressure 40-80 bar depending on nozzle used. Air-pressure operated airless-device, working pressure approx. 2 bar.

HVLP process:

Dilute Oxystrip® (with Scheidel Oxystrip® Liquid Pistol & Nozzle Cleaner 5-10%) and mix homogeneously. Nozzle: 2.0-2.5mm, air pressure 2-3 bar.

Manual:

With natural bristle brush, roller, wide brush, plastic trowel.

Cleaning of the used equipment with Powerfluid (mixed with water 1:5) and then rinse with clean water.

Consumption

The optimal basis for an accurate calculation are several large areas on the original object. Material consumption: usually 100 ml per layer to be removed. It can range from at least 200 ml/m² to 2000 ml/m².

Removal of solved coating**Mechanical removal:**

Use a hot-water high-pressure cleaner, water temperature approx. 80°C (at the lance) at 60 to 130 bar, spray **from bottom to top and towards the already cleaned surface**. Always keep the spray lance away from the painted surface to avoid a reaction stop of the paint stripper by water. Alternatively, the dissolved coating can be removed using the **spray-suction process** (e.g. "Reinigungskrake").

Manual removal:

Remove dissolved coatings with a spatula, surface slider or scraper. Then rinse the surfaces with Scheidel UltraFix Intensive Cleaning Concentrate (diluted 1:3 to 1:5 with water) using a root brush or sponge. Then wash off again with clear water.

Note:

After complete removing of the coating, there are no known incompatibilities with new coatings. The stripped or unpainted surface must be flashed-off and dry before a new coating is applied. Technical measures such as multiple air exchange may also be necessary for flash-off. Coat surfaces only after complete flash-off. When working indoors, ensure adequate ventilation. Always work with foil in interior areas. For applications in food processing facilities, all risky areas must be removed.

Wastewater Disposal**General:**

Before starting the work clarify the situation with the local authorities. In most municipalities wastewater (mixture of dissolved paint and varnish residues as well as solvent from the remover) can be discharged directly into the sewage system after the solids have been separated and neutralized.

Wastewater collection tray:

To create a wastewater collection tray, proceed as follows:

Stick the delta-tarpaulin or chemical-resistant film to the wall with a strong adhesive tape. Place square timbers under the oppositely film sides to form a tub. Suck off wastewater and dispose of it properly. If necessary, set up wastewater storage container.

Water treatment:

If the authorities require wastewater treatment, coordinated reaction release agents can be offered, which ensure compliance with the local wastewater limit values. The resulting wastewater must then be collected (e.g. 1000 l container). Apply the product "Scheidel sofchem Universaltrennmittel 52" (release agent) according to the technical information. The separated paint sludge is to be disposed of according to its composition.

Danger note

The current safety data sheet is decisive. If required, please request by e-mail: info@scheidel.com

General: Suitable protective gloves / protective clothing / eye protection / face protection should be worn. Causes skin irritation and serious eye irritation.

Contains: Formic acid

When working with the airless- and HVLP-process, it is essential to wear at least an A2/P2 protective mask or full-face mask with a glass plate (even when removing the dissolved coating).

Application Table for Scheidel Removers and Strippers

	Building protective paints and plasters e.g. facades, walls, ceilings (e.g. stucco, ornaments)	Varnish e.g. furniture, window shutters, metal fences	2K coatings e.g. car bodies, floor coatings
1. Selection	Asur	Asur	Oxystrip
Alternatives	SG94	Oxystrip	Blitz
	Powerclean	Blitz	Powerclean
		Powerclean	
Post removal cleaner: UltraFix			

All information contained in this technical information is based on practical experience. Universal applicability is excluded because of the different practice requirements. Self-tests are to be carried out. With the publication of this technical information earlier editions lose their validity.

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