

# Asur Paint Remover - Neue Formula - 2015



## Technical Information

### m.a.c.s.® Paint Stripper + Paint Remover Application Table

	Building protection paints and plasters e.g. facades, walls, ceilings (e.g. stucco, orna- ments)	Lacquers e.g. furniture, window shutters, metal fences	2K coatings e.g. car bodies, floor coatings
1. Choice	Asur	Asur	Oxystrip
Alter- natives	SG94	Oxystrip	Blitz
	Separator	Blitz	Powerclean
	Powerclean	Powerclean	

Post Paint Removal Cleaner: **Powerfluid**

### Characteristics

Asur Paint Remover, as from 2015 with new formula, is CHC-free (chlorinated hydrocarbon) on the basis of slowly exhaling esters and other special solvents. In particular, Asur Paint Remover is suitable for the removal of 1-component lacquers and oil paints from wood and metal and for the removal of different multi-layer coatings on facades and in the interior. Asur Paint Remover excels by its long open time and sustainable dissolving power over several hours up to several days, this allows the removal of several paint layers in one operation. Asur Paint Remover hardly (or not at all) affects the stripped building structure and restores mineral substrates (deep pore). Wood does neither rove nor discolour. Asur Paint Remover has a high flash point and is bio-degradable in wastewater treatment plants. Asur Paint Remover is the soft paint remover with intensive effect.

### Application

Asur Paint Remover dissolves and removes 1-component lacquers, synthetic-resin lacquers, glaze, flattening agents, polishes, nitro-spirit lacquers, beer varnish, oil paints, emulsion and latex paints, elastic building paints, acrylates, synthetic plasters, adhesives for glass fibre fabric or similar, PU-foam.

Asur Paint Remover can be used on small and large surfaces (several hundreds of square metres) in internal and external areas.

**Substrates:** All sorts of wood and metals, on all mineral and solvent-resistant substrates, concrete, pure mineral plasters, all sorts of natural stones, plaster (stucco), masonry like e.g. clinker, brick-work etc. Glass will not be attacked. The removal of paint from plastic materials containing softeners is not possible. Surfaces which should not be stripped must be covered thoroughly. **Attention:** Surfaces which have been contaminated for some time by paint stripper or paint stripper-coating mixture shall always be cleaned promptly with water, as otherwise there is a risk of staining. **Mask plastic windows, cables etc. as follows:** apply double-sided adhesive tape, put crumple-free PE construction foil on it and stick on another adhesive tape (e.g. brown packing tape). Remove brown packing tape immediately after sprinkling with paint stripper. Remove double-sided adhesive tape instantly after the paint stripper has taken effect and the remaining surfaces have been washed.

**Technical Limitations:** Highly cross-linked EP, DD, SH and 2-component lacquers, paints containing bitumen.

### Technical Data

Density at 20 °C:	ca. 1,09 kg/l
Viscosity:	10000 mPas
pH-Value (10g/l):	5

Flash Point:	100°C
Minimum Processing Temperature:	10°C
Storage Time:	cool and dry in a closed container: min. 2 years
Transport:	no hazardous goods
Units:	1 l, 3 l, 10 l, 25 l
Article-No.:	1180

### Consumption

Consumption depends on the total thickness of the paint and lacquer layers to be removed as well as on the characteristics of the substrates, whether they are absorbent or not.

On non-absorbent substrates, the thickness of the paint and varnish layers to be removed approximately corresponds with the layer thickness of Asur Paint Remover. On absorbent substrates the layer thickness of Asur Paint Remover has to be increased by about the factor 1.3 - 1.5.

The ideal basis for an exact calculation is to provide several test areas on the original object. Material consumption can reach from at least 300 ml/m<sup>2</sup> to 2,000 ml/m<sup>2</sup>.

### Property Development

Asur Paint Remover is a CHC-free paint remover on the basis of slowly exhaling solvents, dissolving the binding agent system of the paints to be removed. As a result, they can easily be pushed-off or removed by washing off. In order to enable the full development of the dissolving properties, sufficiently rich application of material has to be ensured. If an insufficient amount of Asur Paint Remover was applied, the surface becomes dry and *whitish*. In this case, do not remove with water but apply a new layer of Asur Paint Remover; the dissolving process will be re-activated then. The solved coatings should always be removed at the optimal dissolving point.

#### Disturbing influences:

Moist substrates, rain, draught, low temperatures (coldness), extremely absorbent substrates (attention: create test area!), insufficient ventilation possibilities during processing, insufficient application of material.

#### Supporting influences:

Warm temperatures, covering the stripped surface with thin PE-film (not required!); thus the odour development is significantly reduced in interior areas. Sufficiently long application time (test areas).

#### Application Time:

Several minutes up to hours or days under foil.

### Application/Tools

Asur Paint Remover is ready for use and shall not be modified. Open container. In case liquid has settled (this is not a lack) - stir up product. Apply Asur Paint Remover evenly with an airless device, paint brush, wide brush, brush, roller, spatula, trowel, smoothing trowel (no plastic bristles).

#### Attention:

When applied by airless spraying with water and pressure ASUR may lead to blockages inside the hoses and spray gun. Therefore it might be necessary to remove existing rinse water by using compressed air or alternatively transporting ASUR through the airless equipment until all traces of cleaning product residues have been removed (for this purpose remove spray gun and when finished insert again).

Completely remove filters and sieves inside the device.

Standard nozzles: mm/inch 0,530/0,021 to 1,070/0,043.

Operating pressure depending on the type of nozzle 40-80 bar.

Air-powered airless equipment operating pressure ca. 2 bar.

**Paint remover is always applied from bottom (socket) to top.**

Clean the used devices with Powerfluid mixed with water 1:10. Then rinse with clear water.

multi-anti-color-system



Abbeizer und Entlacker  
Anti-Graffiti-Schutz  
Graffiti-Entferner

Scheidel GmbH & Co.KG, Jahnstr. 38-42, 96114 Hirschaid, Tel. 09543/8426-0, Fax: -31  
www.scheidel.com - info@scheidel.com

# Technical Information



## Processing Instructions

### Preparatory measures:

The object respectively environment conditions have to be checked (see "Property Development"). If the dissolved coatings are to be removed with a hot water high-pressure cleaner, collection devices have to be considered (see removal process) within the framework of erection of scaffolding. The object has to be notified to the responsible authorities.

When applying ASUR with an airless device we recommend to cover the scaffold with tarpaulins and pay particular attention to the safety instructions.

### Test surfaces

On large objects several test areas at different places should be created in order to determine the coating build-up and the dissolving progress. Size of the test area: DIN A4 landscape format. Using a trowel apply at least 3 mm of Asur Paint Remover at the beginning and let it run out against zero at the end. Cover one half with film in landscape format. Note date, time and temperature and check the test area in different intervals. This is how you find out the application time, possible consumption and open time of the paint remover. In case the product does not yield the desired result, further test areas according to the application table are necessary. For this purpose use the m.a.c.s. paint stripper + paint remover system bag or the m.a.c.s. paint stripper + paint remover test box.

## Removal of Dissolved Coatings

### General:

The removal of the separated coatings should always be done at the optimal dissolving point. The longer the already separated coatings remain on the substrate, the more difficult it will be to wash them off. This might lead to longer cleaning periods.

On soft substrates and surfaces with open pores the solvents penetrate deeper into the surface and the evaporation of the solvents can take several days.

### Machine Removal

#### 1. Hot water high-pressure cleaner

Hose the separated paint layers, plasters etc. with the high-pressure washer and **hot** water at 80°C in a range between 60 to 130 bar, from the **bottom to the top and towards the already cleaned surface**. Thereby, the splash lance is always directed away from the application area in order to avoid a reaction stop of the paint stripper due to water. The wastewater has to be collected (see disposal).

#### 2. Spray-suction method

Dissolved coatings can also be removed with the spray-suction method (e.g. Reinigungskrake 80 (octopus cleaner)). Thus, the above mentioned wastewater collection tank is not needed.

### Manual Removal

Separated coatings can also be pushed-off with a scraper or a surface pusher. Subsequently, the pushed-off surfaces are washed with water (as warm as possible, ca. 40°C) under addition of Powerfluid, the cleaner used after paint removal, with a coarse scrubbing brush or a sponge. For wooden surfaces, a thick round masked brush with about 1 cm long bristles is suitable best. Warm water up to 40°C makes the subsequent washing easier. Finally, rinse again with clear cold water.

### Note:

No incompatibilities with new coatings have been reported after a complete removal of the coatings. Before it is newly painted, the stripped surface has to be flashed-off and dry. For airing technical measures might be necessary, i.e. multiple air exchange. Coat areas only after complete airing.

When used in the interior, sufficient ventilation has to be made sure. In the interior it is always advisable to cover with foil. If used in foods companies, all risk-bearing sectors have to be outsourced. With PCB restoration works in internal areas do not apply the product using the airless method if possible (underpressure, ventilation, aerosol formation).

## Product- and Wastewater Disposal

### General:

Before start of work the situation should always be cleared with the authorities. In most municipalities, the wastewater (mix of dissolved colour and CHC-free paint stripper) can be discharged directly into the wastewater system after separation of the solid matter (by gravel bed, settling out or similar). Expert reports about the bio-degradability of the paint remover are available and can be ordered.

### Wastewater Catch Grooves:

In order to set up a waste water catch basin you can proceed as follows: apply acrylic sealing compound to the wall. Lay in a Delta tarpaulin and screw it to the wall with a roof batten. Pull the Delta tarpaulin up the scaffold and fix it. Put crossbars into the catch basin, create settle-out basins and hang in the wastewater pump. If necessary, put up a wastewater reservoir.

### Water Treatment:

In case authorities demand a wastewater treatment, corresponding reaction separation agents can be offered which ensure the compliance with the local wastewater limiting values. In this case, the produced wastewater has to be collected in the course of the works (e.g. 1,000 l container). Apply sofchem® Universaltrennmittel 52 (universal release agent) regarding processing instructions. The separated paint sludge has to be disposed according to its composition.

## Disposal Data

Waste category numbers:

Product residues: EWC No.: 080111

Paint sludge: EWC No.: 080117

Water hazard: WHC 1

Product-Code: M-AB20

## Hazard Information

Further safety information is found in the latest Safety Data Sheet (see [www.scheidel.com](http://www.scheidel.com))

### Measures of Precaution:

Mask plastic surfaces.

With PCB-restorations do not apply material using the airless method.

All details in this technical information are based on practical experience. A general binding character is excluded because of the different practical preconditions. Self-tests have to be made. All earlier editions get void with the publishing of this technical information. CW22\_ 2015

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Innovative Chemie

Scheidel GmbH & Co.KG, Jahnstr. 38-42, D-96114 Hirschaid, Tel. +49 (0)9543/8426-0, Fax: -31  
[www.scheidel.com](http://www.scheidel.com) – [info@scheidel.com](mailto:info@scheidel.com)