

# INNOVATIONS AGAINST PAINTS

## ALWAYS INNOVATIVE

It is 2016 and, to my great delight, I am still able to introduce real innovations and product improvements in our new catalogue. Try out the products, and allow them to impress you.

*Georg Scheidel*

Georg Scheidel  
Managing Director

### From pioneer to leading manufacturers of CHC-free paint removers.

We introduced the first CHC-free paint remover of Europe to the professional circles at the Color 1984 (Farbe 1984) in Munich. A tremendous penetration of paint removers through several colours and paint layers in just one application, a high level of cleaning with the complete removal of coatings on mineral and wooden surfaces without changing the substance underneath and the considerably more comfortable processing of the products have helped make the Scheidel paint remover an international phenomenon. It is evident that special paint removers are crucial for removing complex paint coat build-ups. Based on these findings, we developed the m.a.c.s.® system for colours to give a 100% effective paint remover for all your work. Discover how easily and reliably all paint removing work can be completed with Scheidel paint removers.



Paint Remover System Kit

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## Competence and Service



Graffiti Remover System Kit



Sample pack anti-graffiti

### All against graffiti

We offer a complete range of protective coats. Get to know them with the new sample pack "Scheidel Anti-Graffiti & Surface Protection System". It includes all popular colours, varnishes and undercoats with our protective coats. The popular Graffiti Remover System Kit equips you against any graffiti attack and completes our range of products.



## Spektrum

Order your copy of the customer magazine.

This issue focuses on our innovative anti-graffiti protective coats. Get to know more about our unique sample pack for planners and architects as well as interesting uses on concrete glaze and EIFS. Incidentally, graffiti protection for EIFS was first considered for its influence on water vapour permeability. Find out more exciting possibilities in the expert article on "HydroPurSilan® Protective Lacquer 2K Matt". It's worth it!

(Only available in German)



### Digital and personal

Our homepage [www.scheidel.com](http://www.scheidel.com) or the practical, free app offer a number of handy tips on paint removal and anti-graffiti.

We of course welcome you for a personal consultation, should you wish so.

**Telephone: 09543/8426-0**



Scan this QR code to go to the Google Play Store.

## Latest from Scheidel



## HydroGraff®

The Research Project



Gefördert durch:  
Bundesministerium für Wirtschaft und Energie  
aufgrund eines Beschlusses des Deutschen Bundestages

Hydrophobization is the latest technology for construction protection of civil engineering works such as concrete bridges. Hydrophobization reduces the accumulation of contaminants and therefore protects reinforced steel constructions. Through our research project HydroGraff® carried out in cooperation with university facilities, we have now succeeded in combining the established properties of technical hydrophobization with durable, permanent graffiti protection in a product for the first time. Many different parameters have been incorporated in the research project, be it environmental safety or sustainable functionality that has been verified through a weathering and test method system developed in-house. The developed products **HydroGraff® CC OS-A AGS Cream** and **HydroGraff® FL OS-A AGS Liquid** combine performance to meet the DIN EN 1504-2 technical hydrophobization requirements and the BAST

TL/TP AGS-Beton requirements for durable graffiti protection. Important milestones have been achieved in the research project – certification and permission for the products are in the final stages of printing at the moment (02/2016). The scope of use of HydroGraff® products is not limited only to site-mixed concrete. Depending on the absorbency and pore structure of the mineral substrate, the products can also be used on architecture or textile concrete. For more information on HydroGraff®, visit [www.sofchem.de](http://www.sofchem.de).

sofchem (for special surface (oberfläche) chemistry) is our brand for industrial and special applications. We would love to talk with you about the **HydroGraff®** products. Get in touch and learn more about this outstanding innovation!



# What is m.a.c.s.?

## How does m.a.c.s.® function?

Core products for removing, graffiti protection and graffiti removal, supplies contain m.a.c.s.®, thereby solving major problems in everyday work.

However, the struggle against paint is so varied that special products are still required for problems that keep cropping up. You can easily obtain the special products in our test boxes and system kits and make them quickly available on the construction site. Our m.a.c.s.® "System against Paint" also has exciting additional products such as liquid paint remover, nozzle and paint gun cleaner with softener, high-performance impregnators etc.

m.a.c.s.® is our "System against Paint" and will always give you the ideal solution!



Paint Stripper and Remover  
Graffiti Protection  
Graffiti Remover

## m.a.c.s.® SYSTEM AGAINST PAINT

Scheidel  
PAINT REMOVER &  
STRIPPER SYSTEM



**Asur**  
The Allrounder



**Oxystrip**  
The Super Solvent



**Powerfluid**  
The Post Paint  
Removal Cleaner



**Paint Remover  
System Kit**



**Liquid**  
The Quick and Universal



**Cracker Shade  
Bleaching Agent**  
Gel and Liquid



**C6 Gel**  
The Graffiti Cleaner



**Graffiti Remover  
System Kit**

GRAFFITI REMOVER

Scheidel  
ANTI-GRAFFITI SYSTEM

GRAFFITI PROTECTION

IMPREGNATION

Anti-Graffiti  
Impregnation

IMPREGNATION

Hydrophobization  
AGS

FILM FORMING AGENTS

Sacrificial Layers

FILM FORMING AGENTS

Graffiti Protective Lacquers



**Fluorosil Classic**



**Hydrograff®  
Cream and Liquid**



**SPS 40  
Polysaccharide**



**HydroPurSilan  
Protective Lacquer  
2K Matt**



**Eposilan PLUS  
Protective Lacquer**





# SCHUIDEL REMOVER AND STRIPPER SYSTEM

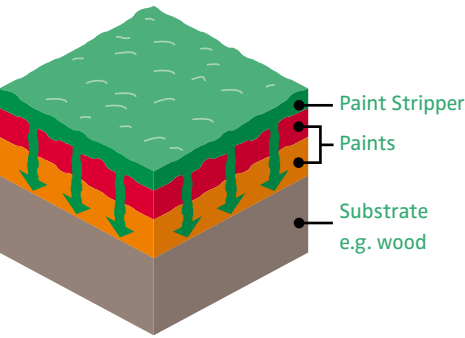


## KNOW-HOW

All of the CHC-free removers have their unique composition comprising esters, alcohols or the latest generation of aqueous base with active oxygen. The individual scopes of use of the products overlap. It is an enormous advantage while removing and stripping varnishes and paints painted over each other, because most of the time all the layers can be removed with the right m.a.c.s.® system remover in one sitting. In the intelligent gels,

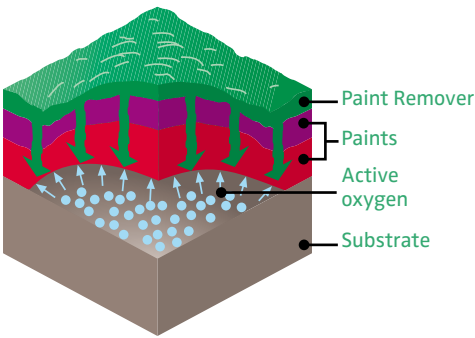
the amount of solution is determined by the paint layer. Scheidel holds numerous patents in this area. All products are CHC-free (dichlormethane-free), NMP and NEP free, application friendly and biodegradable.

## Functionality CHC-free Scheidel Paint Stripper



Apply m.a.c.s.® system paint stripper **with ester or other CHC-free solvent bases** (e.g. SG94, Asur) completely on the paint according to the thickness of the layer. The paints will be penetrated and their adhesion dissolved. The layer will now be easily removable.

The substrate will not change. The wood will again be naturally clean and mineral substrates clean to the pores.



Apply m.a.c.s.® Oxystrip Paint Remover on a water-alcohol base uniformly. The coating will be penetrated, and the active oxygen will spread out. The coating will come off like a pancake.

## Easy application



## Broad range of use



## Conclusive advantages

- A complete product range for all building paints and varnishes.
- Covers all areas of application: Façade, indoors, wood, metal and much more
- CHC, NMP, NEP free
- Easy application
- Biodegradable
- Pore-deep removal and stripping
- Expert consultation

## THE RIGHT PROCEDURE FOR PAINT STRIPPING

The right products are crucial for success. Our application table and the Scheidel app will help you tremendously. Have you made a choice yet? Then place the test surface on the object. Use our practical **paint remover system kit** (item no. 286). Using a plastering **trowel** apply the remover completely and see the process in definite time intervals. The coats are dissolved at different times, depending on the type and thickness of the coating and the ambient temperature. This process can last a few minutes or even more than 12 hours. Simple paint coats such as a dispersion paint on the façade or indoors are dissolved within an hour at 20°C. Simple glazes or varnishes on wood and metal also take a similar time. The more inhomogeneous the coating structure is, the lower the temperature and the higher the degree of cross-linking, the longer the amount of time is required. While removing, please follow the following instructions precisely:

1. Always remove the dissolved paint and varnish coats when they are well dissolved. The stage is reached when the coating becomes soft. Do not allow the dissolved paint to stay for long on the base, because it may generate unwelcome smells.
2. Remove the dissolved coats depending on the working conditions with a hot water high-pressure cleaner or manually with a spatula or blade. If you are working manually, then wash the surface simultaneously with Scheidel Powerfluid cleaning concentrate (1:3 to 1:10) diluted in water,

and then wash again with plain water. This will give you a really clean base surface.

3. If the removal work is indoors, use technically sound ventilation. The devices these days are simple and easy to obtain. This way you protect yourself and the others in the building. Please follow the instructions in our technical information and safety datasheets.



### Tip: Airless application

You can easily apply the Scheidel remover on larger areas with the airless device. This way, you will achieve the layer thickness of the remover required for moulded surfaces like stucco.



## Application Table for Paint Strippers and Removers

	Building protective paints and cleaners e.g. façades, walls, roofs (e.g. stucco, ornamental pieces)	Varnish e.g. furniture, window shutters, metal fences	2-component lacquers e.g. car bodies, floor coatings
First choice	Asur	Asur	Oxystrip
Alternatives	SG94	Oxystrip	Blitz
	Separator	Blitz	Powerclean
	Powerclean	Powerclean	

Post Paint Removal Cleaner: Powerfluid





multi-anti-color-system  
**macs**  
System gegen Farbe  
Paint Stripper and Remover  
Graffiti Protection  
Graffiti Remover



The Allrounder



The Super Solvent



The Post Paint Removal Cleaner



The Test Kit

**macs** Asur Paint Remover

Application:	Exteriors and interiors, wood, metal, stucco, mineral substrates.
Areas of use:	1-component lacquers, oil paints, dispersion paints, plastic cleaners, latex paints, adhesives, PU-foam, fibre glass wallpaper, wax etc.
Use:	Approx. 100ml per paint/varnish layer to be removed = 0.250 to 2.0l/m <sup>2</sup>
Specialities:	Very universal, mild odour, very durable, strong solvent power, new thickening system for even better application. New formula 2015, NMP and NEP free.
Item number:	118 – Unit: 1l (314), 3l (063), 10l (065), 25l (066)

**macs** Oxystrip Paint Remover

Application:	Exteriors and interiors, wood, metal, mineral substrates
Areas of use:	1-component lacquers, 2-component lacquers, PU, epoxy, enamel and powder coating, putties, fire protection coatings
Use:	Approx. 100ml per paint/varnish layer to be removed = 0.250 to 2.0l/m <sup>2</sup>
Specialities:	On an aqueous base; works through alcohol and active oxygen, strong solvent behaviour.
Item number:	135 – Unit: 1l (314), 5l (250), 10l (251), 25l (066)

**macs** Powerfluid Cleaner Concentrate

Application:	For manual post cleaning, for cleaning work on wood, metal and mineral substrates of all kinds, for post-cleaning for graffiti removal with m.a.c.s.® graffiti removers as a versatile industrial cleaner.
Areas of use:	Supporting cleaner for dissolved paints and varnishes, degreasers for metals, grime removal, wetting agent washes, sugar soaps, oil slick removers, plastic cleaners, nicotine removers
Use:	Find out according to the purpose of use
Specialities:	Don't scarify wooden surfaces! Concentrate, mixable up to 1:30
Item number:	1310 – Unit: 750ml (113), 5l (057), 10l (058)

**macs** Paint Remover System Kit

Application:	For a simple pre-test while paint stripping especially challenging or completely unclear coats and layers
Areas of use:	For finding out the ideal remover
Specialities:	Contains 1-litre cans of Asur, Oxystrip and SG94 as well as all other paint strippers in sample cans in an attractive shoulder bag.  Alternatively, the m.a.c.s.® Paint Stripper + Remover Test Box is available in sturdy aluminium with original containers of all the removers and paint strippers including small attachments etc. (Item no. 282)
Item number:	286

**macs** Application Table for Paint Strippers and Removers

	Building protective paints and cleaners e.g. façades, walls, roofs (e.g. stucco, ornamental pieces)	Varnish e.g. furniture, window shutters, metal fences	2-component coatings e.g. car bodies, floor coatings
First Choice	Asur	Asur	Oxystrip
Alternatives	SG94	Oxystrip	Blitz
	Separator	Blitz	Powerclean
	Powerclean	Powerclean	
Post Paint Removal Cleaner: Powerfluid			

**macs** SG 94 Paint Stripper

The Dispersion Remover

Application:	Exteriors and interiors, wood, metal, stucco, mineral substrates.
Areas of use:	Dispersion and latex paints, plastic cleaners
Use:	Approx. 100ml per paint/varnish layer to be removed = 0.250 to 2.0l/m <sup>2</sup>
Specialities:	For large areas, ideal for removing dispersion paints, mild odour, acid-free, good washability through soaping, non-hazardous.
Item number:	128 – Unit: 1l (314), 5l (024), 10l (025), 25l (026)

**macs** Separator Paint Stripper

Application:	Exterior, mineral substrates, interior only if very necessary (because of the strong odour)
Areas of use:	Elastic paints e.g. Aquadur, gum, bitumen, dispersion paints, acoustic paints (Fibrit), chlorinated rubber paints, car underbody protection.
Use:	Approx. 100ml per paint/varnish layer to be removed = 0.250 to 2.0l/m <sup>2</sup>
Specialities:	Base - renewable raw material "cocosole", quick separation - provides solvent free waste water
Item number:	125 – Unit: 1l (314), 10l (301)

**macs** Powerclean Paint Remover

Application:	Exteriors and interiors, wood, metal, stucco, mineral substrates.
Areas of use:	Aqueous varnish (acrylic base), epoxy, adhesive, 2-component lacquers, oil paints (if required).
Use:	Approx. 100ml per paint/varnish layer to be removed = 0.250 to 2.0l/m <sup>2</sup>
Specialities:	Mild odour, durable and extraordinary solvent properties
Item number:	132 – Unit: 1l (314), 3l (063), 10l (065), 25l (066)

**macs** Paint Stripper Paste - Alkaline

Application:	Exteriors and interiors, wood, metal, mineral substrates
Areas of use:	Red leads, oil paints, alkyd resin varnish
Use:	Approx. 100ml per paint/varnish layer to be removed = 0.250 to 2.0l/m <sup>2</sup>
Specialities:	Highly alkaline (pH-value 14), pasty, neutralizing (with acid) required
Item number:	119 – Unit: 1kg (312), 10kg (301)

**macs** Blitz Paint Remover

Application:	Special industrial application and carpentry work, exterior and interior, wood, metal, mineral substrates
Areas of use:	1-component lacquers, 2-component lacquers, PU varnish, epoxy, powder coats
Use:	Approx. 100ml per paint/varnish layer to be removed = 0.250 to 2.0l/m <sup>2</sup>
Specialities:	Warning: slightly flammable, usable in small areas, quick dissolving
Item number:	120 – Unit: 1l (312), 3l (063)

**macs** Paint Stripper + Remover Test Box

Application:	For the basic pre-test for paint stripping work, esp. challenging or completely unclear coats and layers.
Areas of use:	Finding out the ideal paint stripper/remover.
Specialities:	A stable aluminium section box, contains all m.a.c.s.® paint strippers and removers in 1 litre original containers, application table, checklist, calculation aid, small safety equipment, paint brush and more
Item number:	282

for DIY

**macs** STRIPPER Paint Stripper

Application:	Exteriors and interiors, wood, metal, mineral substrates
Areas of use:	Plastic resin varnish, matting, glazes, glosses, dispersion paints, latex paints, acrylic varnish.
Use:	The use depends on the thickness of the layer of the paints and varnishes to be removed. 1 litre is sufficient for approx. 2-3m <sup>2</sup> .
Specialities:	Attention: flammable, usable in small areas, good penetration
Item number:	1291 – Unit: 500ml (060), 1l (062), 2.5l (063)



SCHEIDEL  
LATEST

m.a.c.s.®

PAINT STRIPPER  
AND REMOVER

GRAFFITI  
PROTECTION

GRAFFITI  
REMOVAL

SUPPLEMENTARY  
PRODUCTS

SOFCHEM



# THE SCHEIDEL ANTI-GRAFFITI SYSTEM

## GRAFFITI, EASILY REMOVABLE

### Impregnations and Film Forming Agents

If graffiti can be easily removed, a so-called anti-graffiti or separating layer former is applied to the surface to be protected. Depending on the structural, technical, visual and economical requirements, we offer two categories of impregnations and film forming agents with different products:

## 1. IMPREGNATIONS

### 1.1 Permanent Anti-Graffiti Impregnations with C6-Technology

Our anti-graffiti impregnations are aqueous with C6 fluorine polymer technologies and they do not form a film. The chemically stable impregnations highly cross-linked with a mineral structural substrate penetrate the substrate and form an anti-adhesion effect by changing the surface energy, thus enabling the graffiti to be easily removed. The impregnations can be used on concrete, bricks and insoluble mineral painted surfaces. Our “fluoro” products allow high water vapour penetration with an  $S_d$ -value of 0.02m and hardly compromise the look of the surface. **Scheidel Fluorosil® Classic** and the new **Scheidel Fluorosil® Premium** are RAL certified as permanent separating layer formers. An exception within the permanent anti-graffiti impregnations is **Scheidel Fluoromer**, since it is semi-permanent. **Scheidel Fluoromer** was especially conceptualized for use on sandstone and soft substrates.

### 1.2 Hydrophobization with Permanent Anti-Graffiti

The combination of hydrophobizing and anti-graffiti in a product is a completely new innovation. We have combined this in our product line **HydroGraff®**.

Hydrophobization reduces the accumulation of contaminants and therefore particularly safeguard reinforced steel structures. However, the water roll-off effect is secondary for technical hydrophobization. The long-term protection of the structural substrate is the key. It is achieved through the silane-siloxane-fluorinated acrylate copolymers contained in the non-film forming impregnation.

The products **HydroGraff® CC OS-A AGS Cream** and **HydroGraff® FL OS-A AGS Liquid** combine the DIN EN 1504-2 technical requirements from hydrophobization and BASt TL/TP AGS-Beton requirements for a durable graffiti protection and are also RAL certified. The products were developed in the course of a research project. At the time of printing (02/2016) of the product catalogue, the products were in the process of being certified, but are in a position to be delivered.



*Chemical products need to be handled with special care. The use of fluoropolymers is now widespread. One of its most popular uses is cooking pans with a non-stick coating. We use only short-chain fluoropolymers in our products that are chemically stable, do not build any dangerous degradation products and are heavily cross-linked with mineral substrates.*



## 2. FILM FORMING AGENTS

### 2.1 Graffiti Protection for a Sacrificial Layer

Sacrificial layers are builders of separating layer formers that are removed completely while removing graffiti. They can also be generally described as temporary or impermanent graffiti protection. Such graffiti protection products form a colourless thin film and are visually more or less noticeable. In addition to our impregnations and protective varnishes, we offer two sacrificial layer products: **Scheidel Wax Graffiti Protection** and **Scheidel SPS 40 Polysaccharide Graffiti Protection**. The area of use are mineral substrates or as additional, functional layer on graffiti protection impregnations.

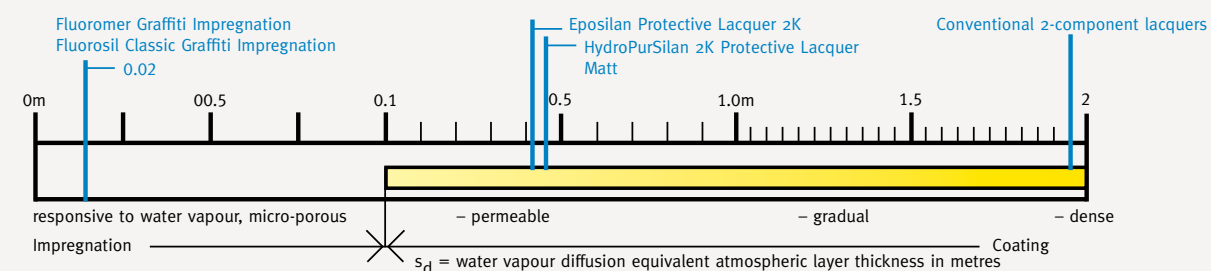


Ill.: Permanent protective varnish

### 2.2 Permanent Graffiti Protective Lacquer

Our graffiti protection varnishes are two-component lacquers that are unique because of their special water vapour permeability Class 2 and therefore an  $S_d$ -value of below 0.5m. Insoluble substrates such as façades with dispersion or silicon resin colours or varnished surfaces can be effectively protected from spray attacks only with chemical, stable protective varnishes, since graffiti paint spray can be completely blotted out this way. The paint or varnish layer below this always remains undamaged. The good water vapour permeability enables the use of protective varnish on EIFS as a functional paint layer. For public areas that are at extreme risk and experience heavy traffic such as pedestrian subways, our product **Scheidel Eposilan® PLUS Protective Varnish 2K Gloss** is highly recommended. The innovative **Ultra High Solid Lacquer** in 2K epoxy-silane base is especially tough and will preserve the protected surface for years. We recommend our product **Scheidel HydroPurSilan® 2K Matt** for painted façade surfaces with high visual demands. The particularly matt protective varnish in an aqueous 2-component PU base with silanes is also RAL certified as a permanent protective varnish like the **Scheidel Eposilan® PLUS**.

### Water vapour permeability of the m.a.c.s.® anti-graffiti products



### The Scheidel Graffiti Remover

Graffiti can be found in nearly all the substrates and is particularly difficult to remove. Our graffiti removers are special products and designed to work on the contemporary areas of use. The graffiti removers dissolve or penetrate the spray paint or pencils to be removed and can then be concertedly and rationally removed with specific cleaning methods.

“Cracker Gel”, a highly alkaline paint remnant and graffiti remover and “Oxydizer Gel” pencil and pigment bleach for removing felt-tip pen inks or their remnants are the new additions in our product range. We have developed the product “Soft Graffiti Cleaning Emulsion” for removing graffiti on fragile substrates and as a special graffiti remover for our new HydroGraff® impregnations. Try it. It is bound to impress you!

ANTI-GRAFFITI IMPREGNATIONS – C6 TECHNOLOGY  
for mineral substrates



<b>macs</b>	<b>Fluorosil® Classic Graffiti Impregnation permanent</b>
Areas of use:	Exposed concrete and other absorbent mineral substrates such as bricks.
System:	Permanent impregnation; an aqueous product with C6 fluoro components.
Colour:	Colourless, hardly colour enhancing, mostly hardly noticeable.
Use:	Depending on the absorbency, approx. 130 to 180ml/m² (total with 2 applications)
Specialities:	Does not form a film, nonstick effect, therefore the easy removal of graffiti, weather and UV safe, receptive to water vapour diffusion, Sd-value = 0.02m, oleophobic and hydrophobic effect, no primer required, optically 100% reversible, RAL certificate as a permanent graffiti prevention.
Graffiti removal:	With m.a.c.s.® Liquid Graffiti Remover or C6 Gel Graffiti Cleaner, up to 15 cleaning cycles required.
Item number:	3790 – Unit: 1l (032), 5l (057), 10l (058), 30l (036)



<b>macs</b>	<b>Fluorosil® Premium Graffiti Impregnation permanent</b>
Areas of use:	Insoluble silicate colours and silicate glazes, glossy but absorbent concrete
System:	Permanent impregnation; an aqueous product with C6 fluoro components.
Colour:	Colourless, hardly changes colour, mostly unnoticeable
Use:	Depending on the absorbability, approximately 100 to 130ml/m² (in 2 applications)
Specialities:	In comparison with Fluorosil Classic, still hardly visible; an even better effect on graffiti. Does not form a film, non-stick effect, therefore the removal of graffiti is simple; stable against weather and UV, open to water vapour diffusion, Sd-value = 0.02, oleophobic and hydrophobic effect, no primer required, optically 100% reversible, RAL certificate as permanent graffiti prevention.
Graffiti removal:	With m.a.c.s.® graffiti remover system, primarily Liquid Graffiti Remover or C6 Gel Graffiti Cleaner
Item number:	3765 - Unit: 1l (032), 10l (058), 30l (036)



Especially for sandstone

<b>macs</b>	<b>Fluoromer Graffiti Impregnation semi-permanent</b>
Areas of use:	Sandstone, tuff, brick, exposed concrete, chalk and stone, priming and soft mineral substrates.
System:	Semi-permanent impregnation, aqueous product with C6 fluoro components.
Colour:	Colourless, hardly changes colour, mostly unnoticeable
Use:	Depending on the absorbency of 100 up to over 130ml/m²
Specialities:	Does not form a film, open to water vapour diffusion (Sd-value = 0.02m) weather and UV stable, nonstick effect (therefore easy removal of graffiti), oleophobic and hydrophobic effect, no primer required, optically 100% reversible, RAL certificate as a permanent graffiti prevention, expert certificate from the point of care and prevention of historical structures.
Graffiti removal:	With a hot water high pressure cleaner and if required with m.a.c.s.® graffiti removers, post impregnation with low material consumption is necessary.
Item number:	3770 – Unit: 1l (032), 5l (057), 10l (058), 30l (036)



Our products are RAL certified. Graffiti impregnations and protective varnishes build separating layers which enable an easier removal of graffiti. However, on account of different practical conditions and therefore different cleaning results.

HYDROPHOBIZATION WITH ANTI-GRAFFITI - PERMANENT  
for mineral substrates



**sofchem** HydroGraff® CC OS-A AGS Cream

Areas of use:	General concrete, brick (absorbent), chalk and stone preferably bridges and engineering constructions, concrete prefabricated parts.
System:	Aqueous, solvent-free, not film forming, silane-siloxane-fluorinated acrylate copolymer impregnation.
Colour:	Colourless, completely penetrates the substrate (test surfaces).
Use:	150 to 400 g/m² in one application.
Specialities:	An innovative hydrophobization cream with permanent graffiti protection in one product, in the test and permission procedure (status 02-2016): according to DIN EN 1504-2, BAST TL/TP AGS concrete, RAL mark of quality for anti-graffiti
Graffiti removal:	Soft graffiti cleaning emulsion
Item number:	SC340 Unit: 10kg (048), 25kg (066)



NEW

**sofchem** HydroGraff® FL OS-A AGS Liquid

Areas of use:	General concrete, brick (absorbent), chalk and stone
System:	Aqueous, very little solvent, not film forming, silane-siloxane-fluorinated acrylate copolymer impregnation
Colour:	Colourless, completely penetrates the substrate (test surfaces).
Use:	150ml to 1.5l/m² - depending on the absorbency, coating in the flood method.
Specialities:	Innovative hydrophobization with permanent graffiti protection in one product, in the test and approval procedure (status 02-2016): according to DIN EN 1504-2, BAST TL/TP AGS concrete, RAL mark of quality for anti-graffiti
Graffiti removal:	Soft Graffiti Cleaning Emulsion
Item number:	SC350 - Unit: 10l (058), 30l (036)



NEW

SCHIEDEL  
LATEST

m.a.c.s.®

PAINT STRIPPER  
AND REMOVER

GRAFFITI  
PROTECTION

GRAFFITI  
REMOVAL

SUPPLEMENTARY  
PRODUCTS

SOFCHEM





multi-anti-color-system  
**macs**  
Paint Stripper and Remover  
Graffiti Protection  
Graffiti Remover

FILM-FORMING SACRIFICIAL LAYERS  
for mineral substrates and special applications



**macs** Wax Graffiti Protection

Areas of use:	Mineral, absorbent substrates, such as concrete, bricks etc., special applications according to TI
System:	Aqueous, temporary sacrificial layer
Colour:	Colourless
Use:	Depending on the absorbency of approximately 200 to 350ml/m².
Graffiti removal:	With hot water high pressure cleaner
Item number:	3760 - Unit: 1l (032), 10l (058), 30l (036)



**macs** SPS 40 Polysaccharide Graffiti Protection

Areas of use:	Mineral substrates of all kinds, special applications according to TI
System:	Sacrificial layer, aqueous product
Colour:	Colourless
Use:	Depending on the absorbency of approx. 200 to 350ml/m²
Graffiti removal:	With hot water high pressure cleaner
Item number:	3766 - Unit: 25l (036)

BILLPOSTING AND STICKER PROTECTION



**macs** Anti-Stick 928

Areas of use:	Metal or varnished surfaces such as traffic signals, waste bins etc.
System:	Silicone, contains solvents
Colour:	Colourless
Use:	100-150ml/m²
Specialities:	Stickers do not stick, an extremely hydrophobic surface
Item number:	3750 - Unit: 1l (002), 3l (003)



This wouldn't happen with Anti-Stick!

GRAFFITI PROTECTIVE COAT

**macs** HydroPurSilan® Protective Lacquer 2K Matt

Areas of use:	Permanent surface protective varnish on already painted or varnished substrates, esp. as a functional paint on EIFS and plastered surfaces, fibre cement slabs, painted concrete etc.
System:	Permanent, film forming, in an aqueous 2-component PU base with silane.
Colour:	Colourless, matte, enhances colour - depending on the substrate colour and type.
Use:	160ml/m² to 200ml/m² in two paint layers
Specialities:	RAL mark of quality, permanent graffiti protection with at least 15 cleaning cycles, without primer, very matte, Sd-value 0.46m (water vapour permeability class 2), suitable as functional paint for EIFS, very little colour enhancement, visually very attractive, ideal for façades.
Graffiti removal:	With m.a.c.s.® graffiti removers – enables at least 15 cleaning cycles, keep in mind the short reaction time and immediate washing.
Item number:	3880 - Unit: 0.9l (027), 5l (050) Quantity = resin and hardener
For test surfaces:	For test surfaces: HydroPurSilan® Test Set (coverage 1m²) (Item no. 288)



NEW

**macs** Eposilan® PLUS Protective Lacquer 2K Gloss

Areas of use:	A permanent surface protection of painted or plastered substrates (even on EIFS), 1-component and 2-component varnish, powder coating, concrete coatings, tiling, polished granite, plastics etc.
System:	Permanent, film forming, ultra high solid varnish on the basis of an innovative epoxy siloxane hybrid adhesive agent.
Colour:	Colourless, silk-gloss or gloss - depending on the substrate
Use:	40–60ml/m² (depending on the substrate) only a single layer is necessary!
Specialities:	A more improved permanent anti-graffiti protective effect with less effort, no tin or catalysts with heavy metals, water vapour permeability Class 2, weather and UV stable, fewer solvents, VOC-conformed, no need for a primer, RAL mark of quality as a permanent graffiti prevention, an extremely low quantity required, keep in mind the test surfaces according to the technical information and a priming layer for plastered surfaces. New mixing ratio 3:1 (resin/hardener volume sections)
Graffiti removal:	With m.a.c.s.® graffiti removers – enables at least 15 cleaning cycles, keep in mind the short reaction time and immediate washing.
Item number:	38701 - Unit: 0.9l (018), 4l (024) Quantity = resin and hardener
For test surfaces:	Eposilan® PLUS Test Set 80ml (287)



NEW

**macs** Varnish roller accessory for HydroPurSilan® and Eposilan® PLUS

	Sponge height/roller width	Item number:
Rollers for smooth and lightly structured substrates up to 1mm grains	5/12 5/25	470 471
Rollers for structured substrates from 1mm grains	8/12 10/25	472 473

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ANTI-GRAFFITI –  
WHAT CAN BE USED, AND WHERE CAN IT BE USED

We offer anti-graffiti products depending on the structural, technical, visual and economical requirements. Nothing is so complicated as it initially seems, because the Scheidel app will help you. All you need to enter is your substrate, and the application table will help you in meeting your requirements. For a better understanding, follow the instructions below:

Special case silicate paints

There are three kinds of so-called silicate paints

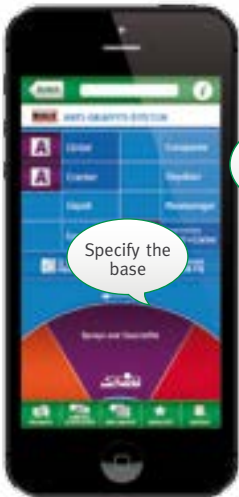
- 1. Pure two-component silicate paints for use, especially on historical monuments. Here, you can use our anti-graffiti impregnations or sacrificial layer products.
- 2. Dispersion silicate paints according to DIN 18363, bulk paint. The solubility of the dispersion silicate paint is required to select the correct graffiti protection, which can be found out through a simple solubility test (e.g. with Liquid or C6 Gel Graffiti Remover). If the paint does not dissolve within 30 minutes, our anti-graffiti impregnations or sacrificial layers can be used. If the silicate paint does dissolve, the functional anti-graffiti will be applied with our protective varnishes (preferably with HydroPurSilan® 2K Matt).
- 3. Sol-silicate paints: Same instructions as in point 2.

Note: Silicate paints must be hardened before applying the graffiti protection. This normally takes 28 days.

Anti-graffiti on EIFS façades

Application of anti-graffiti on EIFS works as a functional layer, which is normally applied above a height of 2-3m around the building up to the eye level. The Scheidel anti-graffiti varnishes have Sd-value of under 0.5m Class 2 and have water vapour permeability. As the functional, final paint within the entire application of the EIFS system, the influence of our protective varnish can only be seen as low. The advantage of using the protective varnishes is the uncomplicated use of graffiti remover for removing spray paints of all kinds.

If EIFS systems with a high water vapour permeability with mineral wool, mineral plaster and final paint with silicate paint has been used, the above-mentioned instructions on "Special case silicate paints" are applicable. Furthermore, careful use of graffiti removers and high pressure water cleaners must be kept in mind when cleaning to make sure the EIFS structure is not compromised.



macs Scheidel Anti-Graffiti and Surface Protection System				
	Concrete, architectural concrete brick, hard natural stone	Sandstone, tuff and other more absorbent mineral substrates	Painted surfaces on plaster (EIFS), varnish and powder coating, concrete coats, non-absorbent glossy substrates	Silicate and sol silicate paints
Anti-graffiti impregnation with C6 technology	Fluorosil® Classic or Fluorosil Premium	Fluoromer® (semi-permanent)		Fluorosil Premium (only for insoluble silicate colours)
Hydrophobization with permanent graffiti protection	HydroGraff OS-A AGS	HydroGraff OS-A AGS		
Anti-graffiti permanent protective lacquer			Eposilan PLUS Protective Lacquer 2K Gloss or HydroPur Silan Protective Lacquer 2K Matt	HydroPurSilan Protective Lacquer 2K Matt
Anti-graffiti with a sacrificial layer	SPS 40 Polysaccharide or Wax	SPS 40 Polysaccharide or Wax		







The Quick and Universal

**macs** Liquid Graffiti Remover

Application:	Removing graffiti lubricants, spray varnishes, felt pens, tints etc.
Areas of use:	On various substrates such as Resopal, tiles, glass, varnish and plastic surfaces that can withstand solvents at least for a short duration (Warning: always pre-test!), mineral substrates, painted surfaces (are dissolved too), as anti-graffiti for surfaces protected with m.a.c.s.® Fluorosil® Classic and Eposilan® Plus Protective Varnish 2K.
Note:	Always clean with Powerfluid the surfaces that are protected and can withstand solvents for a short duration.
Specialities:	Excellent solubility on unprotected surfaces in the combi application with Cracker remnant remover – wet on wet, liquid, wide, universal scope of application, quick to dissolve.
Item number:	3730 - Unit: 500ml (031), 5l (037), 10l (038)




**macs** Cracker Remnant Remover (liquid)

Application:	Removal of remnants of left-over paint pigments
Areas of use:	As a combination product with m.a.c.s.® liquid graffiti removers for the quick removal of graffiti on mineral substrates, for the removal of the remnants of stubborn graffiti sprays.
Specialities:	Liquid, alkaline, can be used on wet surfaces; treated surfaces need to be neutralized.
Item number:	116 – Unit: 1l (029), 5l (037), 10l (038)



**macs** C6 Gel Graffiti Cleaner

Application:	Removal of graffiti, spray paints, felt pens, paints, ballpoint pens etc.
Areas of use:	On glossy and sensitive surfaces that can withstand solvents for a short duration (e.g. graffiti on cars) as well as on mineral substrates in combination application with other graffiti removers, on our anti-graffiti protective coats and painted exterior and interior surfaces.
Specialities:	<ul style="list-style-type: none"><li>• gel</li><li>• a broad range of use with special penetration</li><li>• quick dissolving</li></ul>
Item number:	1175 – Unit: 1l (028), 5l (250), 10l (251)



The Optimal Graffiti Remover

**macs** Graffiti Remover System Kit

Application:	For carrying products for removing a variety of spray paints felt pens, paints etc.
Areas of use:	All substrates, ideal for the calculation and consultation on site as well as first aid for removing small amounts of graffiti.
Specialities:	Contains standard products 1l C6 Gel, Liquid and Cracker each 500ml and special products, Cocopaste, Cracker Gel, Oxydizer Gel, Plexi Cleaner, Soft and Powerfluid each in a sample quantity of 250–500ml. In addition an info map with technical information and safety data sheets.
Item number:	2861

**macs** Application Table for Graffiti Removers

	Mineral substrates (concrete, brick etc.)	Sensitive, glossy surfaces	Protected surfaces, painted surfaces
First Choice	Liquid + Cracker / Cracker Gel	Soft or Plexi Cleaner	C6 Gel or Liquid or Soft
Alternatives	C6 gel also in combinations	Cocopaste / C6 Gel	Cocopaste
	Cocopaste	Cracker or Liquid / C6 Gel	Plexi Cleaner
Shade bleaching agent: Cracker - pigment bleach: Oxydizer GEL Test for use before applying a large area and keep in mind the TI.			

SPECIAL PRODUCTS

**macs** Cocopaste Bitumen and Graffiti Remover

Application:	The removal of sprays containing bitumen (substrate protection) and coatings, special grease sticks, various silver spray paints.
Areas of use:	Mineral substrates, varnished surfaces, acrylic glass, Plexiglas, metal and also as a universal graffiti remover with m.a.c.s.® graffiti protection products esp. Fluoromer.
Specialities:	Pasty, mild, quick dissolution
Note:	Bitumen remnants on mineral surfaces can be removed completely with the liquid Scheidel Cococlean 13 (see Additional Products).
Item number:	1250 – Unit: 1l (028), 3l (063), 10l (301)

**macs** Cracker GEL Shade Bleaching Agent and Graffiti Remover

Application:	Suitable for remnant and graffiti removal.
Areas of use:	In combination application with liquid graffiti remover for quick graffiti removal, for direct graffiti removal spray paints soluble in alkaline liquids, for intensive remnant removal (removal of remaining pigments).
Specialities:	Gel, excellent adhesion on vertical surfaces, aqueous, highly alkaline with solvents, easily biodegradable.
Item number:	1162 - 1l (314) - 10l (301)

**macs** Oxidizer GEL Pen and Pigment Bleach

Application:	Removal of remaining colour pigments (remnants).
Areas of use:	Pre-test all substrates (except sandstone)!
Specialities:	Gel, destroys pigments through oxidization, good adherence on vertical surfaces, extra intensive cleaning.
Item number:	1612 - Unit: 1l (029), 10l (038)

**macs** Plexi Cleaner Graffiti Remover

Application:	Removal of spray paints of all kinds, felt pens, paints etc.
Areas of use:	Plexiglas, plastics, PVC (test for substrate tolerance), as a universal cleaner on Scheidel protective varnishes.
Specialities:	Liquid, mild, quick dissolving - Attention: only on Plexiglas, do not rewash with water!
Item number:	114 – Unit: 500ml (031 spray bottle), 5l (057)

**macs** Soft Graffiti Cleaning Emulsion

Application:	Removal of graffiti lubricants, spray paints, felt pens etc.
Areas of use:	For removal of graffiti, especially on HydroGraff impregnations and other Scheidel graffiti protection products for varnished and sensitive surfaces.
Specialities:	Aqueous, solvent-containing emulsion, very broad strong solvent spectrum for spray paints, felt pens etc., quick to dissolve, gentle on substrates, for highly effective cleaning
Item number:	3742 - Unit: 1l (314), 10l (065)



Scheidel expert consultation

Do you have any questions about the scope of our products? Do you need help regarding the application? We would love to answer all your questions over the telephone or in person through our experts.  
For more information, visit [www.scheidel.com](http://www.scheidel.com)

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# CLEANERS - LIQUID PAINT REMOVER

## SUPPLEMENTARY PRODUCTS

### FAÇADE CLEANER

#### Stone Cleaner S

Application:	For cleaning façades in faced brickwork and acid-resistant natural stones
System:	Based on mineral acids, ammonium bi-fluoride, cationic and nonionic surfactants, paint materials
Specialities:	Acidic stone cleaner
Item number:	211 - Unit: 12kg (038), 24kg (039)

### BRUSH CLEANER/PAINT SOLVENT

#### Paint Solver EPR Brush Cleaner + Softener

Application:	Dissolves and removes varnish and dispersion
Areas of use:	As a cleaner for brushes and varnishing tools
Specialities:	Liquid, badly hardened brushes become usable again. Trusted product with orange terpenes.
Item number:	130 – Unit: 250ml (020), 500ml (001), 1l (002), 3l (003), 6l (004), 12l (005), 30l (006)

### LIQUID VARNISH

#### Oxystrip Liquid Cold Paint Stripper, Paint Gun- and Nozzle- Cleaner

Application:	1-component and 2-component varnish, powder coating, adhesive, etc.
Areas of use:	For removing varnish from metallic parts, for intensive cleaning adhesive varnishing guns and cans (used in can cleaning washes).
Specialities:	With high solvent properties, CHC-free, contains acid.
Item number:	1351 – Unit: 1l (029), 5l in carton with a cleaning wash (037), 10l (038), 30l (039)

### METAL DEGREASER, SPECIAL SOLVENT

#### Cococlean 10 - Intensive

Areas of use:	Metal degreasing with temporary corrosion protection, as bitumen and tectyl solvent
System:	Fatty acid esters with an emulsifier.
Specialities:	VOC-free, natural odour, strong solvent properties, washable with water.
Item number:	248 - Unit: 1l (002), 10l (055), 200l (008)

#### Cococlean 13 - mild odour

Application:	Remover of bitumen, metal degreaser
Areas of use:	Removal of remnants containing bitumen, as a cleaning medium in wash tables, for degreasing metals
Specialities:	Liquid, odourless, washable with water (emulsifying), spontaneous solvent properties.
Item number:	250 – Unit: 1l (002), 10l (055), 200l (008)

### SCHEIDEL PREMIUM PAINT THINNER AND SOLVENT

We offer you a comprehensive range of premium varnish and cleaning thinners.  
For a complete overview, please visit [www.scheidel.com/Produkte/Verdünner & Lösungsmittel](http://www.scheidel.com/Produkte/Verdünner & Lösungsmittel)

**Note:** Our entire range of products caters to commercial, professional users.  
Please always keep in mind our technical information and general terms and conditions.

# OUR BRAND SOFCHEM

sofchem is a Scheidel brand for industrial applications. For more information, visit us at [www.sofchem.de](http://www.sofchem.de) or at our new product overview.



## SURFACE PROTECTION

## PAINT STRIPPING - POLLUTANT CLEANUP





# SCHEIDEL FOR THE CARE OF ARCHITECTURAL HERITAGE

## macs Protection from Graffiti in Preserving Architectural Heritage

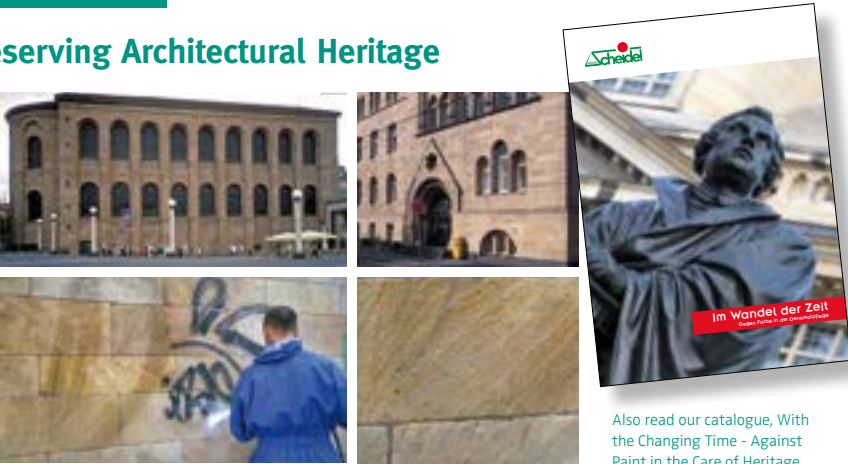
Malerblatt 07-2000 – Right to the Last Pore  
Malerblatt 10-2002 – Preserve. Don't Ruin with Graffiti - Basilica Constantine

m.a.c.s.® Graffiti Impregnation in a fluorine co-polymer base (m.a.c.s.® Fluoromer®) has been critically tested and been used for years extensively to preserve architectural and monument heritage. The high water vapour permeability, low noticeability and extraordinary efficacy even on highly absorbent substrates are arguments which speak for themselves.

Visit [www.scheidel.com](http://www.scheidel.com).

## macs Paint Removers and Strippers Proven in Preserving Architectural Heritage

Maler & Lackierermeister 03-1992  
Restoration with CHC  
...the article mentioned the comprehensive stripping work on the multi-layered paints on the Semper-Gallery stucco at the Zwinger in Dresden. m.a.c.s.® removers are well-tested and sure aids in conserving monuments and heritage when it comes to removing thick paint layers or incorrect paint work on sensitive substrates. Sustainable removal is possible with the ph-neutral m.a.c.s.® removers.  
Read more at the press section at [www.scheidel.com](http://www.scheidel.com)



Also read our catalogue, With the Changing Time - Against Paint in the Care of Heritage.



Pictures above Karlsruhe Castle and the Semper Gallery Dresden, Pictures below The Forbidden City, Beijing

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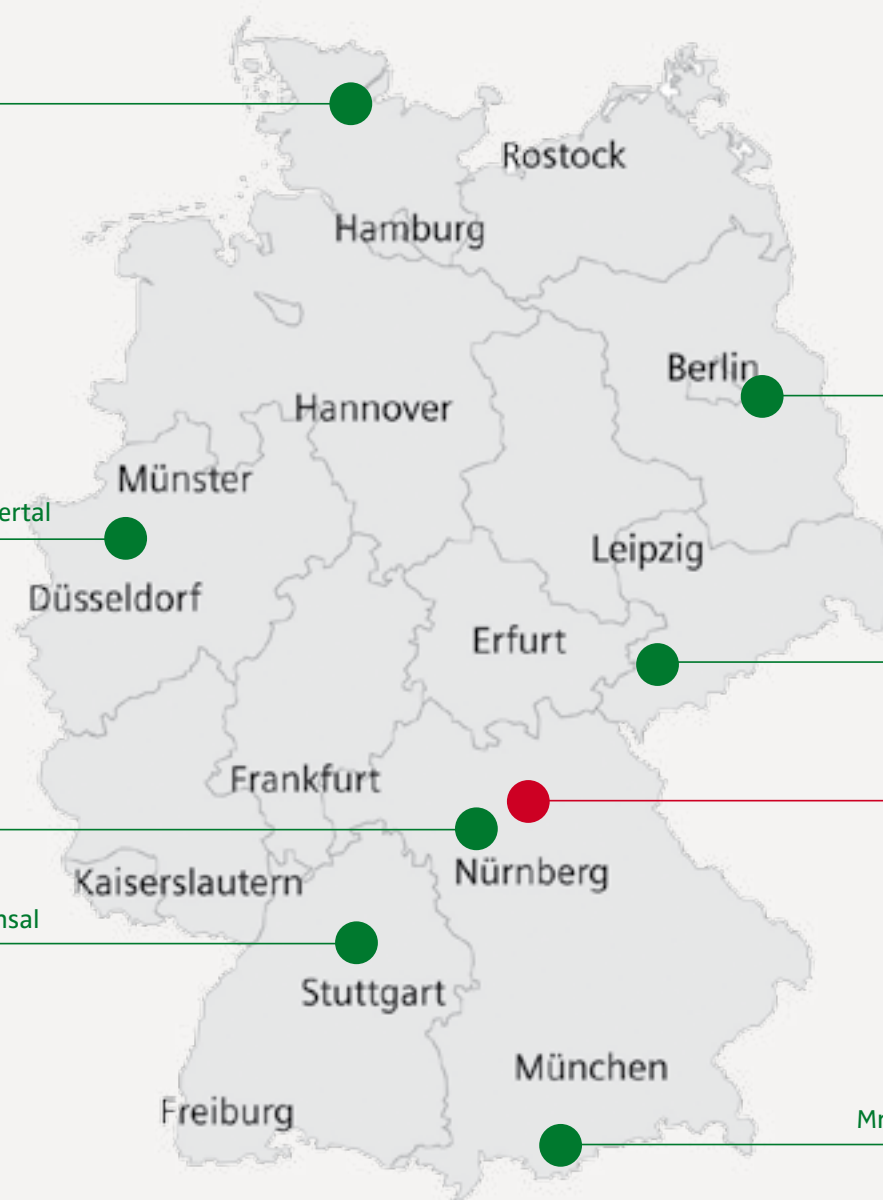
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### Scheidel expert consultation

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