



**Den Braven**

Better  
results  
through  
Knowledge

## Paints & Coatings






Den Braven  
Paints & Coatings, September 2015

**Produced by:** Den Braven, Marketing Department

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*The information provided is the result of our testing and experience and is of a general nature. Because the design, the condition of the subsurface and the circumstances during application are beyond our control, we cannot accept any liability based on these product specifications. It is the user's responsibility to conduct his or her own tests to determine whether the product is suitable for the intended application. For additional technical details, please refer to our technical datasheets.*







# Den Braven



## Den Braven

Den Braven is your supplier for sealants, adhesives and polyurethane foams with unique product features. We are specialists in products and services for painters and paint & coatings related companies.



### Who is Den Braven

- Founded in 1974
- 1100 Dedicated co-workers
- 26 Sales offices worldwide
- 8 Production-sites
- 99,9% OTIF
- We produce more than 250M cartridges and cans per annum

### Better results through Knowledge

Den Braven believes that knowledge is a critical factor to success. To share our knowledge we offer a wide range of training programs for customers and end-users. We also arrange toolbox meetings and a team of experts travels around the world to support with on-site advice. We are happy to share our knowledge and experiences, so together we achieve better results!

### Paint & Sealants

Paint and sealants are close partners in new-built and renovation projects. Den Braven has its origin in The Netherlands where it is common practice to overpaint sealants in- and outdoor. Therefore we've developed dedicated products and technologies with excellent tolerance to paint. Changing market requirements and new regulations continuously have their effect on the formulations of paint. Den Braven anticipates to these changes with dedicated R&D capacity and close collaboration with suppliers and paint manufacturers. We test our products together with the R&D departments of paint producers to ensure the right compatibility

with paint. Therefore Den Braven is the recognized international specialist towards paint & coatings producers, resellers and end-users.

### Corporate responsibility

Den Braven understands and believes that sustainability is the future. We have been focusing on energy efficient building solutions for many years before the increasing global focus on sustainable building. Airtight building, using efficient production and distribution methods, all to minimize the emission of carbon dioxide. We see sustainability as a continuous challenge, in the application of our products and our methods of production and distribution. Our production sites are compliant with ISO9001 & ISO14001.



### Research and development

We believe in the added value of the correct product combined with the right method of application. Market knowledge, customer insight, application specific requirements and new regulations are the base to optimize and develop our products, processes and concepts. Den Braven has multiple R&D centers which are close to the markets they serve. In The Netherlands Den Braven has a Centre of Excellence where knowledge is combined and shared with customers and colleagues all over the world.



# Den Braven

## Our deco proposition

Products of Den Braven service the painter, handyman, contractor and other paint specialists with a complete and compatible range of products. Fully dedicated to paint end-users Den Braven has developed Deco One, a compact sealant line with UCA-Technology and proven superiority in overpainting.

### Deco One

Deco One is the next generation sealant line dedicated to paint specialists. Deco One products are developed together with end-users and paint producers. Deco One products answer the wish and need for:

- Easy and efficient application
- Fast Paintability
- Minimal paint-cracking
- Excellent adhesion to most substrates

### UCA-Technology

The compatibility of sealants with paint is ensured by our unique and proven UCA-Technology. UCA stands for Unique Compatibility Additives. Den Braven sealants with the UCA-logo offer the best possible compatibility between sealants and paint due to selected raw materials, specialized additives and dedicated R&D and testing facilities.

### Zwaluw

Our main and international recognised brand Zwaluw also contains UCA-Technology for the products dedicated to paint.





## Dedicated marketing support

### In-store communication

Den Braven's distinctive product lines are supported with proven marketing solutions aiming to increase conversions. Den Braven can support you with permanent in-store solutions, functional product communication, semi-permanent product information or promotional point of sale material.

Permanent: shelving, planograms, brand communication materials, brochures, solution mock ups, shop in shop

Semi-permanent: (introduction) displays, seasonal communication, testing facilities, narrow casting, leaflets

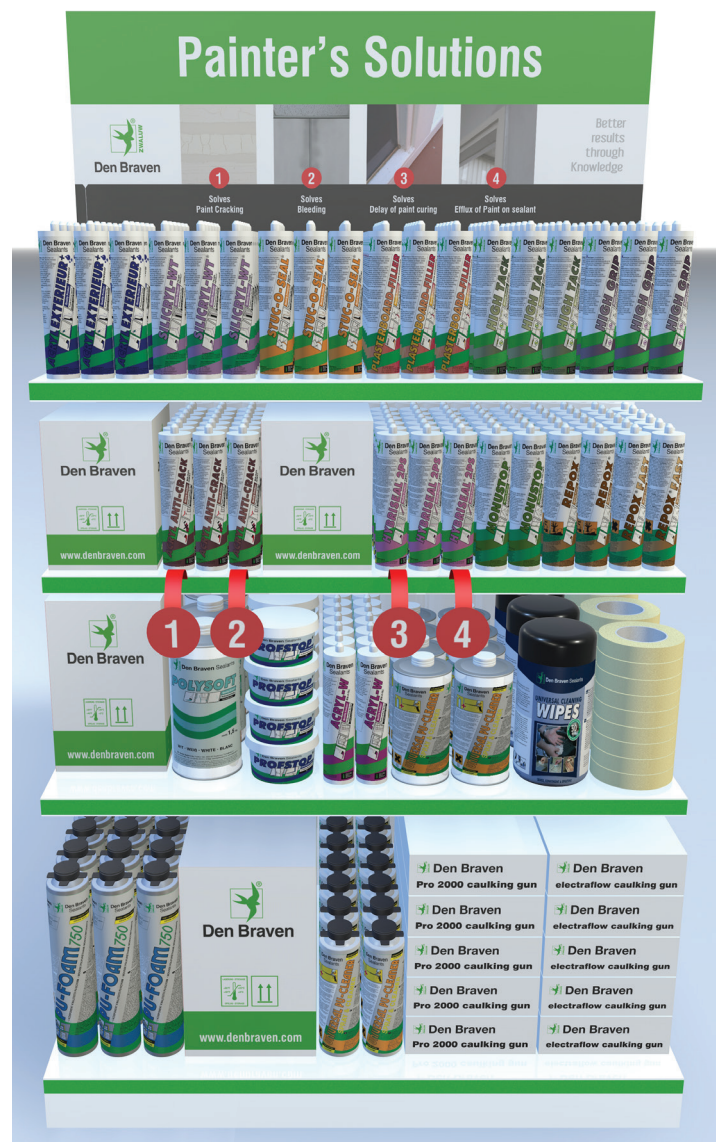
Promotional: promotional displays, giveaways, promo packs, application workshops

### Training

End-users expect up-to-date knowledge and technical support from shop-employees. Den Braven supports with training programs focusing on products and applications. We co-develop training programs with producers and resellers to combine the knowledge of paint products with knowledge on dedicated Den Braven products.

### Positioning

Den Braven supports private labels, co-branding and the reselling of our own strong brands. In line with channel strategies we work out tailor-made positioning scenarios and support category management.





# Den Braven

## Overpainting sealants

Sealants are applied indoor and outdoor to close various types of joints and are the base for excellent decorative results. Sealed joints often are painted afterwards with acrylic or alkyd based paints. In many cases sealants and paint are more or less compatible. However when overpainting sealants, painters face challenges and risks which are influencing the end result. In fact painters encounter various types of problems which can be prevented with the right products and preparation. Below the explanations and technical backgrounds concerning these problems as well as the solutions are given. This knowledge is important to minimise the risk on encountering these problems. However Den Braven puts their best effort in providing the best products, it is still recommended to test compatibility with the paint.

### Time pressure

Paint jobs are the final task in renovation and new-built projects. Speed of application and a minimal downtime (to have the sealant cured) are therefore important aspects. Sealing and painting in one go can make a difference in projects under extreme time pressure or to reduce costs like scaffolding. This enables the painter to finish a small job in one day, instead of having the sealant cured overnight to apply paint the next day.

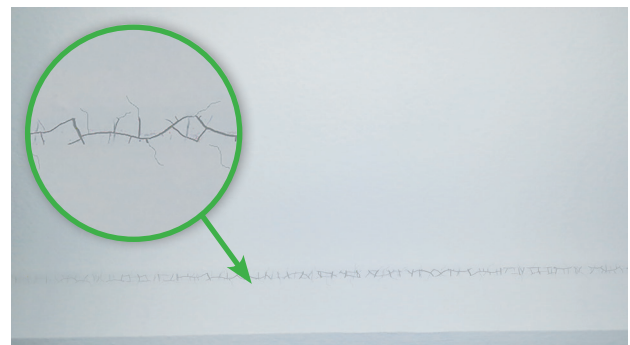


Acrylic sealants require sufficient curing in order to prevent cracking when overpainting afterwards. Den Braven developed a unique wet on wet sealant technology to support painters who require immediate overpainting under time pressure. With this wet on wet technology painters can apply paint directly after sealing the joint. It is advised to paint with medium or high quality paint to obtain the best possible result.

Best solution: Zwaluw Acryl Wet on Wet.

### Paint cracking

A typical painters problem is cracking of paint. Cracking is a distortion of the film and shows long cracked lines or a pattern of small cracks (mud-cracking). Cracking is a problem in the finishing process and is not easy to solve afterwards, generating delay and additional costs.



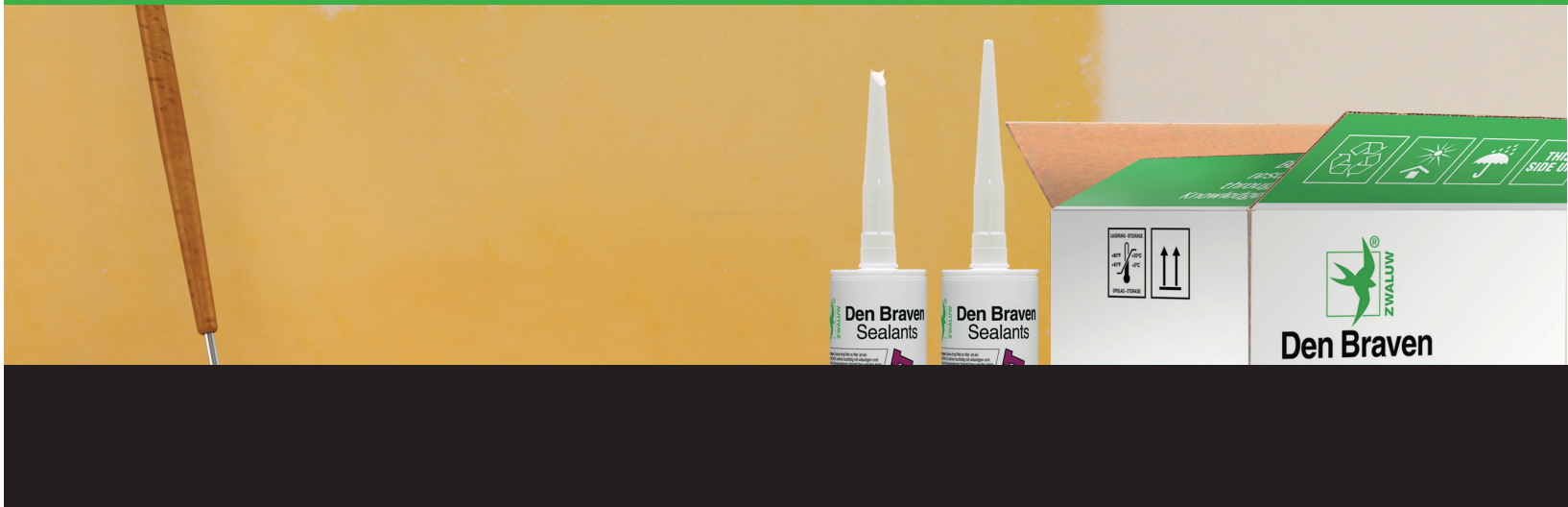
Paint cracking occurs in the curing process of paint on acrylic sealants. Cracking can be caused due to:

- Compatibility between paint and sealant formulations
- Incorrect balance of binder in paint formulation (value or high coverage quality)
- Prematurely overpainting causing dissolving the top layer of sealants

Den Braven has researched cracking and the compatibility between paint and sealants and developed UCA-Technology (Unique Compatibility Additives). With UCA-Technology, Den Braven meets the highest requirements in compatibility between paint and sealants.

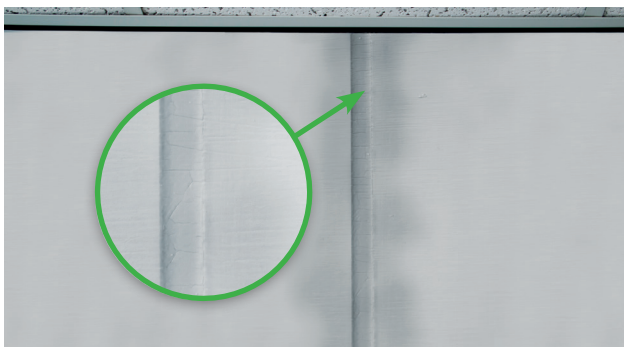
Best solution: Zwaluw Acryl Anti-Crack





**Bleeding or migration**

Dark spots or surface discoloration in the paint at and around the painted sealant joint is called bleeding. Solving the occurrence of bleeding is highly time- and material consuming and therefore very costly.



Bleeding is a problem which occurs mainly with acrylic based sealants. It is caused by non-compatibility between paint and sealant.

Den Braven's Acryl Anti-Crack is developed to prevent migration between paint and sealant. This is able due to careful selection of raws and the addition of compatibility promoters. Our sealants with UCA-Technology offer the highest guarantee to prevent bleeding.

Best solution: Zwaluw Acryl Anti-Crack

**Delay of curing - adhesion of dirt**

Delay of paint-curing mainly occurs with synthetic paints and paintable sealants (glazing, automotive and industry) and is caused by a reaction between sealant and siccative. An uncured or sticky surface of paint will attract dust and dirt.



Den Braven developed a good solution for this problem: Zwaluw Hybriseal®2PS. This sealant is compatible with the siccative in the paint. This enables the siccative to do its job so the paint will cure without delay. Zwaluw Hybriseal®2PS can be painted with all paint systems.

Best solution: Zwaluw Hybriseal®2PS

**Efflux of paints from sealants**

Unpaintable sealant is a well-known problem and mostly occurs with silicon-based sealants. However, due to VOC 2010 (Volatile Organic Compounds) regulation for paint manufacturers, the paint formulations have changed and show different results on sealants.



Efflux is caused by intolerance between sealant and paint, also called surface defect (Crystallographic defect). Den Braven developed Zwaluw Hybriseal®2PS, which due to UCA-Technology is a robust and proven one-for-all sealant which can be painted with all paint systems.

Best solution: Zwaluw Hybriseal®2PS



## Zwaluw Acryl Anti-Crack

- ▶ Prevents paint crackle
- ▶ No bleeding in paint
- ▶ Pure white
- ▶ After curing weather- and rain resistant
- ▶ Easy to apply and tool





## ► Zwaluw Acryl Wet on Wet

A high quality acrylic sealant especially developed for immediate overpainting after application with waterbased, hybrid and synthetic paints.

### Application

Sealing connection joints between wooden and metal window frames and concrete or brickwork. Joints between stairs and walls, between concrete and ceiling elements, between wall and ceiling, skirting boards and windowsills. For filling cracks, screw- and nail holes in walls and ceilings etc. Not for use in permanently wet places.

### Shelf life:

12 months

### Packaging:

cartridges: 310ml (12 units per box)

### Colour:

white



## ► Zwaluw Acryl Anti-Crack

A high quality paintable acrylic sealant based on emulsion that has the unique benefit of preventing craze cracking when painted.

### Application

The sealing of joints and seams between wooden and metal frames and concrete and masonry. Joints between stairs and walls, at ceiling/wall connections, at skirting boards, windowsills and aerated concrete. On clean and stable surfaces. Cures under good conditions for drying. Not for use in permanently wet places.

### Shelf life:

18 months

### Packaging:

cartridges: 310ml (12 units per box)

### Colour:

white



## ► Zwaluw Hybriseal® 2PS

A specially developed, durable, permanently elastic sealant based on hybrid polymer. Universally paintable with both synthetic and water-based paints. Resistant to weather, UV, water and fungus. Free of isocyanates, solvents, silicone and phthalates. Wide bonding spectrum.

### Application

For sealing of connecting joints and glazing systems  
Anti-intruder glazing according to the Police Quality Mark. Usually primer is not needed on smooth surfaces.

Meets the standard: KOMO mark cert. No 33057  
ISO 11600 G25 HM NEN 3576 and NPR 3577  
and NEN 5096



### Shelf life:

12 months

### Packaging:

cartridges: 290ml (12 units per box)  
sausages: 600ml (12 units per box)

### Colour:

cartridges: white, grey, brown and black  
sausages: white, grey, brown and black



## ► Zwaluw Monustop

A durable, permanently, 1-component glazing putty based on hybrid polymer technology. The product is odourless, neutral and isocyanate-free. Once applied, Zwaluw Monustop reacts with moisture from the air to create a durable rubber.

### Application

Durable, permanently elastic sealing of single, double and heritage glass in wooden, metal and concrete frames. Zwaluw Monustop is paintable with almost all (water-based, hybrid and synthetic) paint systems. Excellent adhesion to almost all building materials.

### Shelf life:

12 months

### Packaging:

cartridges: 290ml (12 units per box)  
sausages: 600ml

### Colour:

cartridges: white and grey  
sausages: white



### ► Zwaluw Acryl Exterior +

A high quality, 1-component acrylate sealant based on emulsion which is rainproof immediately after application. The product is practically odourless and is not corrosive on metals. Once cured, the product forms a waterproof plastic/elastic rubber seal. Frost-proof during transport to -15°C.

#### Application

For sealing connecting joints in buildings between wooden and metal window/door frames, concrete and masonry, for both interior and exterior use. Also for joints between aerated concrete slabs. Max. permissible deformation of  $\pm 20\%$ . Because the sealant is rainproof immediately after application, there are fewer restrictions for application under different weather conditions. Not for use in permanently wet areas.

**Shelf life:**  
18 months

**Packaging:**  
cartridges: 310ml (12 units per box)

**Colour:**  
white, grey and brown



### ► Zwaluw Hybriseal® Façade

A versatile one component hybrid based sealant with a low modulus for sealing expansion and connection joints.

#### Application

For expansion (up to 25%) and connection joint sealing to precast concrete, brickwork and masonry, perimeter pointing and wall sealing. Generally has a good adhesion, also without primer, to concrete, brickwork, painted wood, glass, glazed substrates, aluminium, steel, stainless steel, plastics like polyester and most uPVC.

**Shelf life:**  
12 months

**Packaging:**  
cartridges: 300ml (12 units per box)  
sausages: 600ml

**Colour:**  
cartridges: white, concrete grey  
sausages: white, concrete grey, mid-grey, dark grey, basalt, black, dark beige, light beige, brown, RAL 7030



### ► Zwaluw Acryl Clear WT

A plasto-elastic sealant based on acrylate emulsion, which becomes transparent once dried. Has excellent primer-less adhesion to porous substrates and painted wood, even when they are damp. Easy to paint over with alkyd and emulsion paints. Watertight once cured.

#### Application

For the sealing of joints, cracks, splits and seams in walls and wooden surfaces, with a max. deformation of  $\pm 20\%$ . (Store in frost-free place). Not for use in permanently moist places.

**Shelf life:**  
12 months

**Packaging:**  
cartridges: 310ml (12 units per box)

**Colour:**  
transparent (once dried)



### ► Zwaluw Acryl-W

A plasto-elastic sealant based on acrylic emulsion which has excellent adhesion to many substrates, even on damp surfaces. Not corrosive to metal and provides a watertight seal once cured. Paintable with most alkyd resins and emulsion paints. Frost proof during transport to -15°C.

#### Application

For interior use sealing cracks, splits, seams and joints with a max. permissible deformation of  $\pm 12.5\%$ . Not for use in permanently wet places.

**Shelf life:**  
18 months

**Packaging:**  
cartridges: 310ml (12 units per box)  
sausages: 550ml (12 units per box)

**Colour:**  
cartridges: white, grey, brown and black  
sausages: white and grey





## Zwaluw Monustop®

- ▶ Newly formulated high quality glazing putty
- ▶ Applicable on laminated, insulated and historical glass
- ▶ Paintable with all paint systems
- ▶ Improved mechanical performances





## Zwaluw Hybriseal® 2PS

- ▶ Paintable with all paint systems
- ▶ Fast paintability
- ▶ One for all paintable sealant



## ► Zwaluw High Tack

A high quality, strong, 1-component adhesive with very high initial tack based on hybrid polymer. Eliminates the need for secondary support on the majority of applications. The product is odourless, neutral, silicone-free and isocyanate-free. Once applied, the product reacts with moisture from the air to create a durable rubber seal.

### Application

For adhesion of panels, skirting boards, windowsills, strips, thresholds, mirrors and insulation material in constructions. Generally bonds perfectly to many building materials, such as glass, glazed surfaces, enamel, epoxy and polyester panels, hard PVC, stainless steel, anodised aluminium and lacquered wood. Paintable with water-based paints and most 2-C lacquers.

**Shelf life:**  
12 months

**Packaging:**  
cartridges: 290ml (12 units per box)

**Colour:**  
white



## ► Zwaluw Plasterboard Filler

A shrink-free, ready-to-use, ultra lightweight filler paste. For quick and easy filling, smoothing and repair work in holes, joints and cracks in many substrates in one application. Dries so fast that it can usually be painted over with emulsion paint in a matter of minutes. Once cured, the product is easy to sand.

### Application

For filling and smoothing out – in a single treatment – of seams and screw holes in plasterboard walls and ceilings. Also excellently suited for repair of shrinkage cracks and splits in stony surfaces such as stucco, concrete and high quality plaster.

**Shelf life:**  
12 months

**Packaging:**  
cartridges: 310ml  
(12 units per box)  
Buckets: 1000ml,  
5000ml

**Colour:**  
white



## ► Zwaluw Stuc-O-Seal®

A high quality, paintable, durable, permanently plasto-elastic gritty sealant and filler with a granular texture. Once applied, the product creates a plastic/elastic rubber by evaporation of the water from the sealant.

### Application

Specially for interior sealing of joints, seams and cracks specifically between surfaces treated with stucco, such as concrete, rendered work, polystyrene, etc. Can be used externally but not when rain is imminent. Once dried, it is weatherproof and rainproof. Not for use in permanently wet places.

**Shelf life:**  
12 months

**Packaging:**  
cartridges: 310ml (12 units per box)

**Colour:**  
white



## ► Zwaluw Woodflex Soft

A high-quality one-component sealer based on acrylic-dispersion. After application the product forms a soft plasto elastic rubber by moisture evaporation from the sealant.

### Application

Zwaluw Woodflex Soft has been developed especially for sealing (connection) joints in parquet, cork, laminate and wooden flooring. It is a paintable fast curing product with excellent adhesion.

**Shelf life:**  
18 months

**Packaging:**  
cartridges: 300ml (12 units per box)

**Colour:**  
beech, cherry, imbuia, meranti, oak, pine





## ► Zwaluw Repox®

A permanently elastic solvent-free wood repair system for both major and minor repairs based on a two component epoxy resin. Can be applied directly from the cartridge with a standard sealant gun. Shrink-free, high viscosity, moisture-resistant and has a very slight odour.

### Application

For the repair of broken or rotting wooden structures. Can be used on both new and existing wood. Suitable for all types of repairs between 10mm and 20cm deep, and volumes of up to approx. 1.5 litres. Window/door frames, doors, stairs, (façade) carpentry and panelling such as particle board, blockboard and plywood. Can be applied all year round, no primer needed. Can be sanded and painted after 6 hours. For interior and exterior use.

**Shelf life:**  
12 months

**Packaging:**  
cartridges: 250ml (6 units per box)

**Colour:**  
beige

Meets the standard: COT report LAB12-0117-RAP  
quality specification 04.20 Wood repair product



## ► Zwaluw Repox® Fast

A permanently elastic, solvent-free wood repair system for minor repairs based on two component epoxy resin. Can be applied directly from the cartridge with a standard sealant gun. Shrink-free, high viscosity, moisture-resistant and has a very slight odour.

### Application

For repair of nail and screw holes, knots, longitudinal cracks and other small defects in both new and existing wood. Suitable for all types of repairs between 3 and 20mm deep. For window/door frames, windows, doors, stairs, (façade) carpentry and panelling such as particle board, blockboard and plywood. Can be applied all year round and no primer needed. Can be sanded and painted after 1 hour. For interior and exterior use.

**Shelf life:**  
12 months

**Packaging:**  
cartridges: 250ml (6 units per box)

**Colour:**  
grey

Meets the standard: COT report LAB12-0117-RAP  
quality specification 04.20 Wood repair product



## ► Zwaluw Polysoft Professional

A fast curing, two-component, easy-to-sand finishing plaster based on polyester resin. Paintable. Suitable for interior use only.

### Application

For smoothing out and levelling off damage, seams and splits, mainly in woodwork such as doors and door/window frames. Can also be used on stony, metal or polyester surfaces. Due to the special dispensing gun, it is simple and easy to use the right amount of hardener.

### Zwaluw Polysoft Flexible

For applications demanding a more flexible material we also have Polysoft Flexible available. Can be used with the same dispensing gun.

**Shelf life:**  
12 months

**Packaging:**  
cans: 1.5kg (6 units per box)  
(including hardener)

**Colour:**  
white, grey and brown

*Dispensing gun available separately*



## ► Zwaluw Joint Fix®

A high quality, curing joint repair paste based on polymer emulsion and additives, with an optimum bonding spectrum for joints in interior and exterior walls. The product is practically odourless and easy to apply with a sealant gun.

### Application

Permanent filling and repair of new and damaged joints and cracks between stone strips and façade masonry. Sealing of chimney flashings in façades. Weather and rain-proof a few hours after application. If desired, the product can be painted over. Due to the high degree of diversity in paint systems, it is recommended to conduct a test in advance. In general, bonds excellently to many building materials such as concrete, masonry, stone and cement.

**Shelf life:**  
12 months

**Packaging:**  
cartridges: 310ml (12 units per box)

**Colour:**  
light grey and cement grey







## Zwaluw Stuc-O-Seal®

- ▶ Gritty structure
- ▶ Durable flexible
- ▶ Excellent paintability
- ▶ Structure adjustable by stippling technique







## Zwaluw Acryl Exterior+

- ▶ Quick rain-resistance after application
- ▶ Indoor and outdoor application
- ▶ Easy to apply
- ▶ Pure white



## ► Zwaluw Finisher

A neutral, concentrated, universal aid for wet tooling of sealed joints. Zwaluw Finisher is over 90% biodegradable and does not contain any silicone. Before drying, use water to remove any excess Zwaluw Finisher that was applied. Before use, prepare Zwaluw Finisher in a concentration of between 1% and 3% in water.

### Applications

Zwaluw Finisher is used for wet finishing of sealed joints, to achieve a tight and smooth joint seal. Store in a frost-free place.

**Shelf life:**  
24 months

**Packaging:**  
bottles: 1 l (per unit)  
cans: 5 l (per unit)

**Colour:**  
transparent yellow



## ► Zwaluw Mixed Finisher Spray

A ready to use, neutral, universal aid for wet tooling of sealed joints. Zwaluw Mixed Finisher Spray is over 99% biodegradable and does not contain any silicone. Before drying, use water to remove any excess Zwaluw Mixed Finisher Spray that was applied.

### Application

Ideally suited for wet tooling of sealed joints.

**Shelf life:**  
24 months

**Packaging:**  
bottles: 650ml (12 units per box)

**Colour:**  
transparent



## ► Zwaluw Cleaning Wipes

Fast, effective cleaning wipes for the removal of uncured silicone sealant, uncured PU foam, oil, many adhesives, paint and grease from hands, tools and surfaces. Cleans and freshens up old paint and sealant. Ideal for removing stains from most work surfaces. Zwaluw Cleaning Wipes clean hands, tools and surfaces. Dermatologically tested.

### Application

For the removal of adhesives and sealants: uncured sealant, epoxy stains, spray adhesive and solvent-type adhesive. Polyurethane foam: uncured. Grease: oil, lubricants, ink, grass stains, turpentine-based product. Paint: oil and water-based paints. Effective for up to as 24 hours after the paint has dried.

**Shelf life:**  
36 months, 12 months once packaging opened

**Packaging:**  
jars: 80 wipes (per jar)

**Colour:**  
N/A



## ► Zwaluw accessories

### Set Wooden Spatula

For finishing various sealants in combination with Zwaluw Finisher.

### Nozzle angle

Creates an angle between cartridge and nozzle. Enables the user to reach the most difficult spots.

### Long nozzle

Enables the user to reach spots in tight areas.





## Zwaluw Plasterboard-Filler

- ▶ Non-shrinking
- ▶ Lightweight
- ▶ Sandable
- ▶ Fast Paintable







### **Better results through Knowledge**

Paints & Coatings is a serious market segment which deserves a dedicated approach. Den Braven gathers knowledge about paints & coatings upstream and downstream, from chemical supplier to end-user. The collection of this knowledge is a continuous process and provides us with the latest insights. In our newly built Centre of Excellence we share knowledge within our group, with our customers and with end-users. We are pleased to receive our relations and end-users to provide them with the latest knowledge and new insights. This new information enables our relations to achieve higher efficiency and better results. This is the true meaning of "Better results through Knowledge" !

## Manufacturing companies

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