



# CONNECTION TECHNIQUES

FOR PLASTIC PIPING SYSTEMS

SOLVENT CEMENTS | CLEANERS | TOOLS | LUBRICANTS



Griffon. Committed to professionals.



# GRIFFON

## THE PERFECT CONNECTION

Griffon offers a range of high quality solution-based products especially for the professional. With this, Griffon guarantees a complete assortment for the sanitary and installation sector, for example, industry, pool construction, infrastructure and horticulture technology. Whether your piping system is made of PVC, PVC-C, ABS, PP or PE, Griffon always has the appropriate solution. As specialist in connecting techniques for plastic piping systems we offer all our professional customers and end-users a unique and wide range of high-quality products. Our products can help you in special cases such as chemical resistance, longer open times, connecting pipes with large diameters or loose fits, the assembly of piping systems with rubber seal connections or solvent cementing under tropical conditions. No matter what kind of thermoplastic piping system you wish to connect, Griffon provides the best solution for every job.

With sales offices in the Netherlands, Belgium, Spain and France, and distributors in many countries across the world, Griffon has built up a strong international market position. Well-known Griffon products are UNI-100®, WDF-05® and Blue Gel.



### QUALITY

Opting for Griffon means opting for quality. In order to be able to constantly guarantee excellent quality Griffon employs a quality assurance system. This covers the entire process of incoming raw materials, production into the final product and delivery in accordance with prescribed and monitored procedures. This system has of course been ISO 9001 certified. In this way the user can be assured of a guaranteed quality level. Product quality focused on specific applications is guaranteed by approval marks such as British Standard, CSTB, KIWA and DVGW. Furthermore, several products have a CE marking and meet EN standards. Both the product and the process quality are continuously inspected by reputable, independent inspection bodies at home and abroad.



### INNOVATION

In addition to quality, innovation is one of Griffon's core values. Griffon is continuously looking for new and better solutions. Existing products are constantly improved so that they do not only work better, but also are more user and environmentally friendly.

Through extensive research and close contact with end-users and manufacturers Griffon introduces innovative solutions for connecting problems time and again.

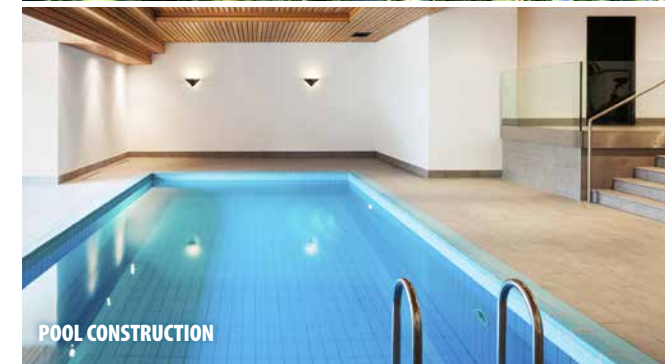


### SERVICE

In addition to quality and innovation we consider the service to our customer as a high priority. The Griffon information centre is always willing to answer any questions you might have.

Information number: +31 (0)113235700  
Email address: [info@griffon.eu](mailto:info@griffon.eu)

Technical documentation sheets and safety data sheets are available on our website: [www.griffon.eu](http://www.griffon.eu)







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# INNOVATIVE, DURABLE PACKAGING

PLASTIC BOTTLE & SPECIAL BRUSH

## DURABLE PACKAGING PLASTIC BOTTLE FOR OPTIMUM EASE OF USE

Focused on maximum ease of use Griffon solvent cements are available in durable plastic bottles. The plastic bottle does not rust or dent. The integrated large cap fits comfortably in your hand and is always easy to open and close.

QUICK RELEASE CAP (QUARTER-TURN)

CAP WITH INTEGRATED BRUSH

ALWAYS EASY TO  
OPEN AND CLOSE

DURABLE

NO CORROSION

NO DAMAGES (E.G. DENTS)



## INNOVATIVE APPLICATOR SPECIAL BRUSH EASY, EXTREMELY FAST & RELIABLE



In the cap of Griffon solvent cements there is integrated a special brush which ensures equal application of the cement and is up to 40% faster per connection in comparison with the traditional flat brush. The size of the brush is tailored to the pipe diameter.

EASY APPLICATION  
OF CEMENT

EVEN DISTRIBUTION  
OF CEMENT

FAST APPLICATION  
OF CEMENT  
(UP TO 40% FASTER)

BRUSH INTEGRATED IN CAP

DIFFERENT SIZES  
FOR DIFFERENT DIAMETERS

LARGE CAP FOR  
COMFORTABLE GRIP



APPLICATOR ENSURES RELIABLE PIPE CONNECTIONS





# SOLVENT CEMENTS

FOR PERFECT CONNECTIONS

Griffon offers a range of high-quality solvent cements specifically developed for connections in high-end plastic pressure systems. These cements each have unique and specific properties and provide the best solution for each application.

Technical specifications & properties

colour after drying	transparent (yellow)
viscosity	thixotropic, gap-filling
pressure resistance	16 bar (PN16)
diametrical clearance / press fit	0,8 mm / 0,2 mm
temperature resistance	60°C (pressure), peak load 95°C
chemical resistance	equal to PVC itself
maximum pipe diameter	≤ 315 mm
density	approx. 0.97 g/cm³
flash point	K1 (<21°C)
shelf life	at least 24 months

Working conditions: Do not use in temperatures ≤ 5°C.

Cure times

Ø	16 - 63 mm		75 - 110 mm		125 - 315 mm	
	10 bar	16 bar	10 bar	16 bar	10 bar	16 bar
Temp.						
5°C - 10°C	4 h	8 h	8 h	16 h	16 h	32 h
> 10°C	2 h	4 h	4 h	8 h	8 h	16 h

Curing time may vary depending on a.o. surface, product quantity used, humidity level and ambient temperature.

Application

Indication of the number of connections per 1 L:

Ø	32	40	50	63	75	90	110	125	160	200	250
#	650	290	160	100	90	70	40	30	20	12	8

Comments

- Especially for connections demanding a high chemical resistance see HCR-36
- Especially for joining flexible tubing see WDF-05
- Especially for joining large diameters see UNI-100 GT

## UNI-100®

FAST, THIXOTROPIC PVC-U CEMENT



Suitable for diameters ≤ 315 mm

Pressure resistance: 16 bar (PN16)

Thixotropic, gap filling

For pressure and drainage systems

Approved for drinking water systems

In durable plastic packaging

Special brush integrated in cap

Fields of application

For joining pipes, sleeves and fittings with press and loose fit (gap filling) in pressurised and drain systems. Suitable for pipe systems conforming to EN1329, 1452, 1453, 1455 and ISO15493 (PVC).



kiwa



KTW

EN 14814  
EN 14680





# UNI-100® XT

THIXOTROPIC, THF-FREE PVC-U CEMENT



kiwa



ACS



KTW

EN 14814  
EN 14680



**THF-free: more user and environmentally friendly**

**Suitable for diameters ≤ 400 mm**

**Pressure resistance: 16 bar (PN16)**

**Thixotropic, gap filling**

**For pressure and drainage systems**

**Approved for drinking water systems**

**In durable plastic packaging**

**Special brush integrated in cap**

## Fields of application

For joining pipes, sockets and fittings with interference fit and loose fit (gap filling) in pressure and drainage systems. Suitable for e.g. pipe systems conforming to EN1329, 1452, 1453, 1455 and ISO 15493 (PVC).

## Technical specifications & properties

THF-free	yes
colour after drying	transparent (light yellow)
viscosity	thixotropic, gap-filling
pressure resistance	16 bar (PN16)
diametrical clearance / press fit	0,6 mm / 0,2 mm
temperature resistance	60°C (pressure), peak load 95°C
chemical resistance	equal to PVC itself <sup>3</sup>
maximum pipe diameter	≤ 400 mm
density	approx. 0.94 g/cm <sup>3</sup>
flash point	K1 (<21°C)
shelf life	at least 18 months

Working conditions: Do not use in temperatures ≤ 5°C.

## Cure times

Ø	16 - 63 mm			75 - 110 mm			125 - 400 mm		
	5 bar	10 bar	16 bar	5 bar	10 bar	16 bar	5 bar	10 bar	16 bar
Temp.									
5°C - 10°C	6 h	12 h	24 h	12 h	24 h	48 h	36 h	72 h	
> 10°C	2 h	4 h	8 h	4 h	8 h	16 h	12 h	24 h	

Curing time may vary depending on a.o. surface, product quantity used, humidity level and ambient temperature.

## Application

Indication of the number of connections per 1 L:

ø	32	40	50	63	75	90	110	125	160	200	250
#	650	290	160	100	90	70	40	30	20	12	8

## Comments

- Especially for connections demanding a high chemical resistance see HCR-36
- Especially for joining flexible tubing see WDF-05
- Especially for joining large diameters see UNI-100 GT

## Technical specifications & properties

colour after drying	yellow (transparent)
viscosity	thixotropic, gap-filling
pressure resistance	16 bar (PN16)
diametrical clearance / press fit	0,8 mm / 0,2 mm
temperature resistance	60°C (pressure), peak load 95°C
chemical resistance	equal to PVC itself
maximum pipe diameter	≤ 800 mm
density	approx. 1 g/cm <sup>3</sup>
flash point	K1 (<21°C)
shelf life	at least 24 months

Working conditions: Do not use in temperatures ≤ 5°C.

## Cure times

Ø	16 - 63 mm		75 - 110 mm		125 - 315 mm		400 - 800 mm	
	10 bar	16 bar	10 bar	16 bar	10 bar	16 bar	10 bar	16 bar
Temp.								
5°C - 15°C	8 h	16 h	16 h	32 h	32 h	64 h	64 h	128 h
10°C - 25°C	4 h	8 h	8 h	16 h	16 h	32 h	32 h	64 h
> 25°C	2 h	4 h	4 h	8 h	8 h	16 h	16 h	32 h

Curing time may vary depending on a.o. surface, product quantity used, humidity level and ambient temperature.

## Application

Indication of the number of connections per 1 L:

ø	32	40	50	63	75	90	110	125	160	200	250
#	650	290	160	100	90	70	40	30	20	12	8

## Comments

- Especially for connections demanding a high chemical resistance see HCR-36

# UNI-100® GT

THIXOTROPIC, PVC-U CEMENT



**Extended open time**

**Suitable at higher temperatures (> 35°C)**

**Suitable for large diameters ≤ 800 mm**

**Pressure resistance: 16 bar (PN16)**

**Thixotropic, gap filling**

**For pressure and drainage systems**

**In durable plastic packaging**

**Special brush integrated in cap**

## Fields of application

For joining pipes, sleeves and fittings with press and loose fit (gap filling) in pressurised and drain systems. Extremely suitable for large diameters and at higher temperatures (> 35°C). Suitable for pipe systems conforming to EN1329, 1452, 1453, 1455 and ISO15493 (PVC).

EN 14814  
EN 14680



# WDF-05®

EXTREMELY FAST, BLUE, THIXOTROPIC PVC-U CEMENT

MAX  
Ø  
≤ 160 MM

GEL

MAX  
0,8 MM  
CLEARANCE

MAX  
PN 16

EXTREMELY FAST

ACS

WRAS

EN 14814  
EN 14680

CE

Extremely fast

Suitable for flexible hoses and rigid PVC

Suitable for humid & wet conditions

Suitable for diameters ≤ 160 mm

Pressure resistance: 16 bar (PN16)

Thixotropic, gap filling

For pressure and drainage systems

Approved for drinking water systems

In durable plastic packaging

Special brush integrated in cap

Fields of application

For joining flexible tubing and rigid PVC pipes, sleeves and fittings with press and loose fit (gap filling) in pressurised and drain systems. Extremely suitable for swimming pools, jacuzzis and other damp environments. Suitable for pipe systems conforming to EN1329, 1452, 1453, 1455 and ISO15493 (PVC).

Technical specifications & properties

colour after drying	blue (transparant)
viscosity	thixotropic, gap-filling
pressure resistance	16 bar (PN16)
diametrical clearance / press fit	0,8 mm (0,3 flexible tubing) / 0,2 mm
temperature resistance	60°C (pressure), peak load 95°C
chemical resistance	equal to PVC itself
maximum pipe diameter	≤ 160 mm
density	approx. 0.99 g/cm³
flash point	K1 (<21°C)
shelf life	at least 24 months

Working conditions: Do not use in temperatures ≤ 5°C.

Cure times

Ø	16 - 50 mm			63 - 110 mm			125 - 160 mm		
	5 bar	10 bar	16 bar	5 bar	10 bar	16 bar	5 bar	10 bar	16 bar
5°C - 15°C	30 min	1 h	4 h	1 h	2 h	8 h	4 h	16 h	32 h
> 15°C	15 min	30 min	2 h	30 min	1 h	4 h	2 h	8 h	16 h

Flexible tubes 24 hours / ABS (max 5 bar) double setting times.  
Curing time may vary depending on a.o. surface, product quantity used, humidity level and ambient temperature.

Application

Indication of the number of connections per 1 L:

ø	32	40	50	63	75	90	110	125	160	200	250
#	650	290	160	100	90	70	40	30	20	12	8

Technical specifications & properties

THF-free	yes
colour after drying	yellow (transparent)
viscosity	approx. 650 mPa.s.:
pressure resistance	16 bar (PN16)
diametrical clearance / press fit	0,3 mm / 0,2 mm
temperature resistance	40°C (pressure), peak load 95°C
chemical resistance	equal to PVC itself
maximum pipe diameter	≤ 160 mm
density	approx. 0.9 g/cm³
flash point	K1 (<21°C)
shelf life	at least 18 months

Working conditions: Do not use in temperatures ≤ 5°C.

Cure times

Ø	16 - 63 mm		75 - 90 mm		16 - 160 mm
	10 bar	16 bar	10 bar	16 bar	Non pressure
5°C - 10°C	4 h	8 h	8 h	16 h	2 h
> 10°C	2 h	4 h	4 h	8 h	1 h

Curing time may vary depending on a.o. surface, product quantity used, humidity level and ambient temperature.

Application

Indication of the number of connections per 1 L:

ø	32	40	50	63	75	90	110	125	160
#	700	500	300	200	140	100	70	55	35

THF-free: more user and environmentally friendly

Liquid, ideal for tight fits

Suitable for (small) diameters ≤ 160 mm  
(pressure ≤ 90 mm)

Pressure resistance: 16 bar (PN16)

For pressure and drainage systems

Approved for drinking water systems

In durable plastic packaging

Special brush integrated in cap

Fields of application

For joining pipes, sleeves and fittings with press fit in pressurised and drain systems. Suitable for diameters ≤ 160 mm (pressure ≤ 90 mm). Suitable for pipe systems conforming to EN1329, 1452, 1453 and 1455.

# T-88®

FAST, LIQUID, THF-FREE, PVC-U CEMENT

MAX  
Ø  
≤ 160 MM

LIQUID

MAX  
0,3 MM  
CLEARANCE

MAX  
PN 16

THF-free: more user and environmentally friendly

Liquid, ideal for tight fits

Suitable for (small) diameters ≤ 160 mm  
(pressure ≤ 90 mm)

Pressure resistance: 16 bar (PN16)

For pressure and drainage systems

Approved for drinking water systems

In durable plastic packaging

Special brush integrated in cap

Fields of application

For joining pipes, sleeves and fittings with press fit in pressurised and drain systems. Suitable for diameters ≤ 160 mm (pressure ≤ 90 mm). Suitable for pipe systems conforming to EN1329, 1452, 1453 and 1455.

kiwa

CSTB

ACS

EN 14814  
EN 14680

SOLVENT CEMENTS  
PVC-U CEMENTS

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WDF-05® EXTREMELY FAST, BLUE, THIXOTROPIC PVC-U CEMENT

13

T-88® FAST, LIQUID, THF-FREE, PVC-U CEMENT



# HT-120 FLOWGUARD®

YELLOW, FAST, THIXOTROPIC PVC-C CEMENT



**FLOWGUARD®**  
PIPE & FITTINGS

Approved for Flowguard® systems

Approved for drinking water systems

Fast

Suitable for diameters ≤ 315 mm

Pressure resistance: 25 bar (PN25)

Thixotropic, gap filling

Special pipe brush integrated in cap

In durable plastic packaging



## Technical specifications & properties

colour after drying	yellow
viscosity	approx. 2750 mPa.s.
pressure resistance	25 bar (PN 25) diameters ≤ 110 mm 16 bar (PN 16) diameters ≤ 250 mm 10 bar (PN 10) diameters ≤ 315 mm
diametrical clearance / press fit	0,8 mm / 0,2 mm
temperature resistance	95°C, peak load 120°C
chemical resistance	equal to PVC-C itself
maximum pipe diameter	≤ 315 mm
density	approx. 0.99 g/cm³
flash point	K1 (<21°C)
shelf life	at least 24 months

Working conditions: Do not use in temperatures ≤ 0°C.

## Cure times

Ø	16 - 50 mm ½ - 2"		63 - 110 mm 2½ - 4"	
	10 bar	16 bar	10 bar	16 bar
Temp.				
-10°C - 5°C	16 h	-	72 h	-
5°C - 10°C	4 h	8 h	8 h	16 h
> 10°C	2 h	4 h	4 h	8 h

Curing time may vary depending on a.o. surface, product quantity used, humidity level and ambient temperature.

## Application

Indication of the number of connections per 1 L:

ø	32	40	50	63	75	90	110	125	160	200	250
#	650	290	160	100	90	70	40	30	20	12	8

## Technical specifications & properties

colour after drying	yellow (transparent)
viscosity	approx. 2500 mPa.s.
pressure resistance	max. 25 bar (PN 25) for diameters ≤ 110mm. max. 16 bar (PN 16) for diameters > 110 mm and ≤ 250 mm.
diametrical clearance / press fit	0.8 mm / 0.2 mm
temperature resistance	95°C (pressure), peak load 120°C
chemical resistance	equal to PVC-C itself
maximum pipe diameter	≤ 250 mm
density	approx. 0.99 g/cm³
flash point	K1 (<21°C)
shelf life	at least 24 months

Working conditions: Do not use in temperatures ≤ 5°C.

## Cure times

Ø	16 - 63 mm		75 - 110 mm		125 - 250 mm		16 - 160 mm	200 - 250 mm
	10 bar	16 bar	10 bar	16 bar	10 bar	16 bar	NON PRESSURE	
Temp.								
5°C - 10°C	4 h	8 h	8 h	16 h	16 h	32 h	2 h	4 h
> 10°C	2 h	4 h	4 h	8 h	8 h	16 h	1 h	2 h

Curing time may vary depending on a.o. surface, product quantity used, humidity level and ambient temperature.

## Application

Indication of the number of connections per 1 L:

ø	32	40	50	63	75	90	110	125	160	200	250
#	650	290	160	100	90	70	40	30	20	12	8

## Comments

Especially for connections demanding a high chemical resistance see HCR-36.



**CORZAN**  
INDUSTRIAL SYSTEMS

Approved for Corzan® systems

Suitable for diameters ≤ 250 mm

Pressure resistance: 25 bar (PN25)  
(for diameters ≤ 110 mm)

Thixotropic, gap filling

For pressure and drainage systems

Approved for drinking water systems

## Fields of application

For joining pipes, sleeves and fittings with press and loose fit (gap filling) in pressurised and drain systems. Suitable for pipe systems conforming to EN1566, 15877 and ISO15493 (PVC-C). Approved by Lubrizol for Corzan® Systems.

# HT-120

FAST, THIXOTROPIC PVC-C CEMENT



kiwa

ACS

EN 14814  
EN 14680

CE

EN 14814  
EN 14680

CE



# HT-120 BLAZEMASTER®

PURPLE, FAST, THIXOTROPIC PVC-C CEMENT



**BlazeMaster®**  
FIRE SPRINKLER SYSTEMS

Approved for **Blazemaster®** Systems

Suitable for sprinkler systems

Fast

Suitable for diameters ≤ 110 mm

Pressure resistance: 25 bar (PN25)

Thixotropic, gap filling

In durable plastic packaging

Special pipe brush integrated in cap

## Field of application

For joining PVC-C pipes, sockets and fittings in **Blazemaster®** sprinkler systems. **Blazemaster®** is a registered trademark of Lubrizol Advanced Materials. Suitable for diameters ≤ 110 mm (4"). Max. 25 bar (PN 25).

## Technical specifications & properties

colour after drying	pink
viscosity	approx. 1100 mPa.s.
pressure resistance	25 bar (PN 25)
temperature resistance	95°C, peak load 120°C
chemical resistance	equal to PVC-C itself
maximum pipe diameter	≤ 110 mm
density	approx. 0.99 g/cm³
flash point	K1 (<21°C)
shelf life	at least 24 months

Working conditions: Do not use in temperatures ≤ 0°C.

## Cure times

Ø	16 - 50 mm		63 - 110 mm	
	10 bar	16 bar	10 bar	16 bar
-10°C - 5°C	16 h	-	72 h	-
5°C - 10°C	4 h	8 h	8 h	16 h
> 10°C	2 h	4 h	4 h	8 h

Curing time may vary depending on a.o. surface, product quantity used, humidity level and ambient temperature.

## Application

Indication of the number of connections per 1 L:

ø	32	40	50	63	75	90	110
#	650	290	160	100	90	70	40

## Technical specifications & properties

colour after drying	transparent
viscosity	approx. 600 mPa.s.
pressure resistance	10 bar (PN10)
diametrical clearance / press fit	0.3 mm / 0.2 mm
temperature resistance	60°C (pressure), peak load 95°C
chemical resistance	equal to ABS itself
maximum pipe diameter	≤ 160 mm
density	approx. 0.85 g/cm³
flash point	K1 (<21°C)
shelf life	at least 24 months

Working conditions: Do not use in temperatures ≤ 0°C.

## Cure times

Ø	16 - 63 mm		75 - 160 mm		16 - 160 mm
	5 bar	10 bar	5 bar	10 bar	NON PRESSURE
0°C - 5°C	6 h	12 h	9 h	18 h	4 h
5°C - 15°C	4 h	8 h	6 h	12 h	2 h
> 15°C	2 h	4 h	3 h	6 h	1 h

Curing time may vary depending on a.o. surface, product quantity used, humidity level and ambient temperature.

## Application

Indication of the number of connections per 1 L:

ø	32	40	50	63	75	90	110	125	160
#	700	500	300	200	140	100	70	55	35

Fast

Suitable for diameters ≤ 160 mm

Low viscosity

Pressure resistance: 10 bar (PN10)

Transparant colour after drying

In durable plastic packaging

Brush integrated in cap

## Fields of application

For joining pipes, sleeves and fittings with press fit in pressurised and drain systems. Suitable for pipe systems conforming to EN1455 and ISO15493 (ABS).

# B-21

FAST, LIQUID ABS CEMENT



EN 14814  
EN 14680





# B-25

FAST, THIXOTROPIC ABS CEMENT



EN 14814  
EN 14680



## Fast

Suitable for diameters ≤ 315 mm

Pressure resistance: 15 bar (PN15)

Grey colour after drying

Thixotropic, gap filling

For pressure and drainage systems

Approved for drinking water systems

## Field of application

For joining pipes, sleeves and fittings with press and loose fit (gap filling) in pressurised and drain systems. Suitable for diameters ≤ 315 mm. Max. 15 bar (PN 15). Maximum tolerance 0.6 mm diametrical clearance / 0.2 mm press fit. Suitable for pipe systems conforming to EN1455 and ISO15493 (ABS).

## Technical specifications & properties

colour after drying	grey
viscosity	approx. 2500 mPa.s.
pressure resistance	15 bar (PN 15)
diametrical clearance / press fit	0.6 mm / 0.2 mm
temperature resistance	60°C, peak load 95°C
chemical resistance	equal to ABS itself
maximum pipe diameter	≤ 315 mm
density	approx. 0.89 g/cm <sup>3</sup>
flash point	K1 (<21°C)
shelf life	at least 24 months

Working conditions: Do not use in temperatures ≤ 0°C.

## Cure times

Ø	16 - 63 mm		75 - 160 mm		200 - 315 mm		16 - 160 mm	200 - 315 mm
	10 bar	15 bar	10 bar	15 bar	10 bar	15 bar	NON PRESSURE	
0°C - 5°C	12 h	24 h	18 h	32 h	96 h	120 h	4 h	8 h
5°C - 15°C	8 h	16 h	12 h	24 h	72 h	96 h	3 h	4 h
> 15°C	4 h	8 h	6 h	16 h	48 h	72 h	1 h	2 h

Curing time may vary depending on a.o. surface, product quantity used, humidity level and ambient temperature.

## Application

Indication of the number of connections per 1 L:

Ø	32	40	50	63	75	90	110	125	160	200	250	315
#	650	290	160	100	90	70	40	30	20	12	8	5

## Technical specifications & properties

colour after drying	yellow (transparent)
chemical base	solution of PVC-C in a mixture of solvents
viscosity	approx. 250 mPa.s.
pressure resistance	10 bar (PN10)
diametrical clearance / press fit	0.5 mm / 0.2 mm
temperature resistance	60°C (pressure), peak load 95°C
chemical resistance	resists very well to powerful anorganic acids such as sulphuric acid, hydrochloric acid and nitric acid
density	approx. 1.34 g/cm <sup>3</sup>
flash point	K1 (<21°C)
shelf life	at least 12 months

Working conditions: Do not use in temperatures ≤ 5°C.

## Cure times

Approx. at least 24 hours

## Application

Indication of the number of connections per 1 L:

Ø	20	32	40	50	75	90	125	160
#	1300	650	290	160	90	70	30	20

## Indication of chemicals which require use of HRC-36:

- Sulphuric acid: concentrations > 70%
- Hydrochloric acid: concentrations > 25%
- Nitric acid: concentrations > 20%
- Lyes (caustic soda): concentrations > 35%
- Fluoric acid: any concentration
- Sodium hypochlorite: active chlorine content > 7.5%

# HCR-36

LIQUID, PVC-U/PVC-C CEMENT



## Very high chemical resistance

Suitable for PVC-U & PVC-C pipe systems

Suitable for diameters ≤ 160 mm

Pressure resistance: 10 bar (PN10)

Liquid

Fast

## Field of application

For joining pipes, sockets and fittings with interference fit in pressure and drainage systems. Also suitable for PVC-C (max. 60°C). Especially for connections demanding a high chemical resistance, such as highly anorganic acids like sulphuric acid, hydrochloric acid and nitric acid. Suitable for pipe systems in accordance with e.g. EN 1329, 1453, 1455 and ISO15493 (PVC/PVC-C).



# F-40

PRODUCT FOR FIXING POLYPROPYLENE (PP)  
TUBES AND FITTINGS



Fast

Easy to apply

Thixotropic

Black

### Field of application

For fixing polypropylene (PP) tubes and fittings with rubber sleeve (sliding socket) connections in drainage systems. Especially to prevent prefab systems and pipe angles from from sliding out of place, e.g. during transport.

### Technical specifications & properties

colour after drying	black
chemical base	filler-containing synthetic rubber solution in a solvent mixture
viscosity	approx. 1800 mPa.s.
solid contents	approx. 72%
density	approx. 1.4 g/cm <sup>3</sup>
flash point	K1 (<21°C)
shelf life	at least 12 months

Working conditions: Do not use in temperatures ≤ 5°C.

### Application

#### Directions for use:

1. Cut pipes square, remove burrs and bevel edges.
2. Clean surfaces.
3. Stir well before use.
4. Apply fixation product to pipe end and rubber sleeve.
5. Join parts immediately by sliding pipe into sliding socket until stopper. Close packaging carefully immediately after use.

#### Stains/residue:

Remove adhesive stains with Griffon Cleaner.

### Technical specifications & properties

chemical base	a solution of polyurethane rubber in a solvent mixture
elasticity	good
viscosity	approx. 2500 mPa.s.
solid contents	approx. 16 %
chemical resistance	resistant to oils, bases and diluted acids
water resistance	very good
density	approx. 0.87 g/cm <sup>3</sup>
flash point	K1 (<21°C)
shelf life	at least 24 months

Working conditions: Do not use in temperatures ≤ 5°C.

### Application

#### Directions for use:

1. Clean the surfaces to be bonded with Griffon Cleaner.
2. Apply adhesive thinly and evenly to both bonding surfaces and allow to dry for 3 to 12 minutes.
3. Join surfaces and press firmly. Remove excess adhesive. After use, immediately close packaging properly.

#### Stains/residue:

Remove adhesive stains with Griffon Cleaner.

High initial bond strength

Waterproof

Plasticiser resistant

Permanently flexible

With brush

With quick release cap

# M-385

LIQUID, TRANSPARENT, WATERPROOF CONTACT  
ADHESIVE FOR BONDING PVC FOIL



### Fields of application

For mutually bonding PVC foils as well as for bonding PVC foil to hard PVC, rubber, canvas and wood such as for swimming pools, basins, ponds and roofs.





# GRIFFON CLEANERS

FOR THE MOST RELIABLE RESULTS

For powerful cleaning and degreasing pipes, sockets and fittings. Using Griffon Cleaner ensures that the surface is free of dirt and grease and will also prepare the surface for optimum adhesion.

## CLEANER

PRODUCT FOR CLEANING  
AND DEGREASING RIGID  
PVC, PVC-C AND ABS PIPES,  
SOCKETS AND FITTINGS



Universal

Optimum adhesion

### Field of application

For cleaning and degreasing rigid PVC, PVC-C and ABS pipes, sockets and fittings to be joined. Also suitable for removing cement residue and cleaning brushes and tools. Not suitable for diluting PVC, PVC-C and ABS cement.

### Application

Indication of the number of connections per 1 L:

ø	32	40	50	63	75	90	110	125	160	200	250	315
#	800	700	650	550	330	250	160	140	90	50	35	23

### Directions for use:

1. Apply cleaner to a clean, highly absorbent cloth.
  2. Clean and degrease surface so be joined. (Griffon Cleaner Cloth).
  3. Remove condensation with a clean cloth and allow to dry thoroughly.
- Seal packaging carefully immediately after use.

## HCR-36 CLEANER

PRODUCT FOR CLEANING  
AND DEGREASING RIGID  
PVC, PVC-C AND ABS PIPES,  
SOCKETS AND FITTINGS



Optimum adhesion

Use in combination with HCR-36

### Field of application

For cleaning and degreasing rigid PVC, PVC-C and ABS pipes, sockets and fittings to be glued. Also suitable for removing adhesive residue and cleaning brushes and tools. Not suitable for diluting HCR-36.

### Application

Indication of the number of connections per 1 L:

ø	32	40	50	63	75	90	110	125	160	200	250
#	800	700	650	550	330	250	160	140	90	50	35

### Directions for use:

1. Apply cleaner to a clean, highly absorbent cloth.
  2. Clean and degrease surface so be joined. (Griffon Cleaner Cloth).
  3. Remove condensation with a clean cloth and allow to dry thoroughly.
- Seal packaging carefully immediately after use.
- Points of attention: Always use in combination with Griffon HCR-36.

## PE CLEANER

CLEANSING AGENT FOR PE, PP,  
PVDF AND PB

ALSO AVAILABLE AS  
CLEANER WIPES

Ready for use without separate cloth

Practical dispenser  
(100 cleaning wipes per dispenser)

Size: 15 x 19,5 cm



For powerful cleaning and degreasing prior to welding

Multifunctional for PE, PP, PVDF and PB joints

Suitable for e.g. electro fusion & butt welding

Use in combination with cleaner cloth

### Field of application

For cleaning and degreasing piping, sleeves and fittings made of PE, PP, PVDF and PB prior to welding.

### Application

#### Directions for use:

1. Apply cleaner to a clean, well-absorbing, fluff-free cloth (Griffon Cleaner Cloth).
2. Clean and degrease surfaces.
3. Remove any condensation with a clean cloth and allow surfaces to dry properly. After use, immediately close packaging properly.







# GRIFFON TOOLS

CLEAN, EASY, FAST AND  
RELIABLE JOINTS FOR  
PLASTIC PIPE SYSTEMS

In addition to the correct solvent cement and  
cleaner, the correct tool is also essential for  
making perfect joints in plastic pipe systems.

## CLEANER CLOTH

ABSORBENT, NON-PILLING CLOTH

Absorbant

Non-pilling

Big size cloths: 23 x 41 cm

Practical dispenser 100 pcs



### Field of application

For cleaning and degreasing (rigid) PVC, PVC-C, ABS, PE, PP, PVDF and PB pipes, sockets and fittings before joining.  
To be used in combination with Cleaner and PE Cleaner. Also suitable for removing non-hardened cement residue.

### Application

#### Directions for use:

1. Humidify cloth with (PE) Cleaner.
2. Clean and degrease surfaces.
3. Remove condensation, if any, with a clean, dry cloth and allow surfaces to dry well.



## CHAMFER TOOL

FOR CHAMFERING PLASTIC PIPES

Creates a chamfer angle of 15°

Prevents adhesive from  
being 'pushed away'



### Field of application

The Griffon Chamfering Tool is a handy, professional tool for chamfering the ends of plastic pipes. Chamfering the pipe to an angle of 15° ensures that the cement spreads more evenly, prevents scraping away the cement and creates a locating edge on the pipe end for easier assembly. The Griffon Chamfering Tool is suitable for PVC, PVC-C, ABS, PP and PE pipes with diameters between 16 and 63 mm.

### Application

#### Directions for use:

Five adapter rings for ø 20, 25, 32, 40 and 50 mm are integrated into the chamfering tool. To place these: Loosen the screws. Place the adapter rings of the desired diameter (for example, for a diameter of 40 mm place the adapter ring with a diameter of 50 and 40). Tighten the screw (not further than the adapter rings). The other adapter rings can be placed on the rear of the chamfering tool. Place the chamfering tool over the pipe and move it around until the entire pipe has a rim of 15°.

**Points of attention:** Do not apply pressure on the pipe.







# GRIFFON LUBRICANTS

FOR FITTING PIPES, SOCKETS  
AND FITTINGS WITH RUBBER  
SLEEVE CONNECTIONS

Special range of high quality lubricants  
for perfect rubber sleeve connections.

## BLUE GEL

LUBRICANT FOR FITTING  
PIPES, SOCKETS AND  
FITTINGS WITH RUBBER  
SLEEVE CONNECTIONS

ALSO AVAILABLE IN  
HANDY SQUEEZE BOTTLE

Easy, hygienic, clean application

Attached sealing cap



Approved for drinking water systems

Easy to apply on wet & dry surfaces

Odouress

Water-soluble

Acid-Free

Thixotropic

For pressure & drainage

### Field of application

For fitting pipes, sockets and fittings with rubber sleeve (sliding socket) connections in pressure and drainage systems. Suitable for all diameters. Also for wet surfaces. Suitable for PVC, PVC-O, PE, PP, GRP, concrete and coated cast iron. Not suitable for ABS.

### Application

Indication of the number of connections per 1 kg:

ø	32	40	50	75	90	110	160	250
#	900	600	400	200	135	90	45	20

## P-20

LUBRICANT FOR FITTING  
PIPES, SOCKETS AND  
FITTINGS WITH RUBBER  
SLEEVE CONNECTIONS



Approved for drinking water systems

Water-rinsable

Adjustable

Thixotropic

For pressure & drainage

### Field of application

For fitting pipes, sockets and fittings with rubber sleeve (sliding socket) connections in pressure and drainage systems. Permitted for drinking water systems based on toxicological and bacteriological properties. Suitable for PVC-U, ABS, PE, PP, GRP, concrete and coated cast iron. Suitable for all diameters.

### Application

Indication of the number of connections per 1 kg:

ø	32	40	50	75	90	110	160	250
#	900	600	400	200	135	90	45	20

## LUBRICANT

LUBRICANT FOR FITTING  
PIPES, SOCKETS AND  
FITTINGS WITH RUBBER  
SLEEVE CONNECTIONS

ALSO AVAILABLE IN  
SPRAY (SILICONE OIL)



Adjustable

Acid-Free

Thixotropic

For drainage

### Field of application

For fitting pipes, sockets and fittings with rubber sleeve (sliding socket) connections in drainage systems. Suitable for all diameters. Suitable for PVC-U, ABS, PE, PP, GRP, concrete and coated cast iron.

### Application

Directions for use:

1. Cut pipes square, chamfer edges and remove burrs.
2. Remove dirt and humidity.
3. Apply lubricant to pipe end and rubber sleeve.
4. Join parts immediately by sliding pipe into sliding socket until stopper.

Connection can be corrected excellently.  
Close packaging carefully immediately after use.  
Stains/residue: Remove stains with degreaser.



# STEP-BY-STEP PLAN

## THE PERFECT CONNECTION

**In addition to high-quality products, the correct process of application is also essential in order to create a perfect connection. Here you will find a complete step-by-step plan in which the application instructions for joining a PVC pipe system are described.**



### STEP 1

Saw off pipes at a right angle, chamfer (15°) and deburr.

For chamfering pipes with a diameter  $\leq 63$  mm, use the special Griffon chamfer tool. For removing burrs use the special Griffon deburring tool.

Mark insertion depth on the pipe and mark the correct assembly position of the fitting.



### STEP 2

Clean adhesive surfaces with Griffon Cleaner and Cleaner Cloth (non-pilling cloth).

Using Griffon Cleaner ensures that the surface is free of dirt and grease and will also prepare it for optimum adhesion. Allow the surfaces to dry well in order to prevent condensation.



### STEP 3

Apply cement rapidly and evenly all around (4-6x) to both surfaces (pipe thickly, fitting thinly). Avoid using an excess of cement.

Do not use PVC cements at temperatures below 5°C. At temperatures higher than 25°C, the application process must be carried out faster due to the faster evaporation of the solvents.



### STEP 4

Join parts immediately. Remove excess cement using Griffon Cleaner Cloth. Excess cement may have an unfavourable effect on the pipe and weaken it.

For the first 10 minutes, do not load the joint mechanically. Take into account the drying times. Properly close the packaging immediately after use.



**“FOR PERFECT CONNECTIONS  
I CAN RELY UPON GRIFFON”**

[WWW.GRIFFON.EU](http://WWW.GRIFFON.EU)







**GRIFFON IS A BRAND OF  
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