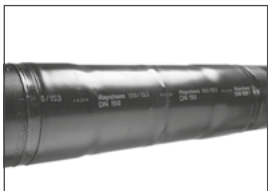




For the subsequent corrosion protection of buried pipelines

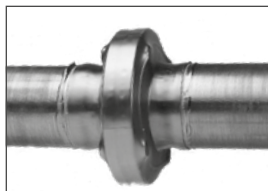
Covalence® HEAT SHRINK PRODUCTS



CPSM/TPSM-C30



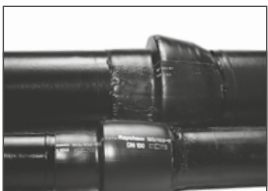
MPSM-C30



FCTS



WPC-C30-E



MEPS-C30



FCWS-F



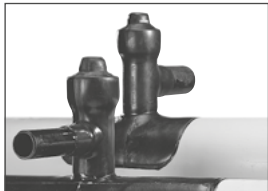
FLEXCLAD II



PERP



BLOT



HTTE



DIRAX



Water



Gas



Civil Engineering



TYPE SELECTION



Covalence® **CPSM-C30** Covalence® **TPSM-C30**

Fields of application

For retrocoating of a weld seam, coupling or bolt connection in the fields of new installations

Material

HDPE with viscoelastic mastic sealant

Properties

High shrinking; load class C30; welded seam:
CPSM-C30 ND 25 - 65, width 500 mm, shrink rate approx. 66%;
TPSM-C30 ND 80 - 200, width 450 mm, shrink rate approx. 36%;
coupling/bolt connection:
CPSM-C30 ND 20 - 125, width 1000 mm, shrink rate approx. 66%

Sizes

Heat shrink sleeve for weld seam: ND 25 - 200; heat shrink sleeve for coupling/bolt connection: ND 20 - 125



Covalence® **MPSM-C30-UNIV-300**

Fields of application

For retrocoating of a socket/connection sleeve, mainly at new installations

Material

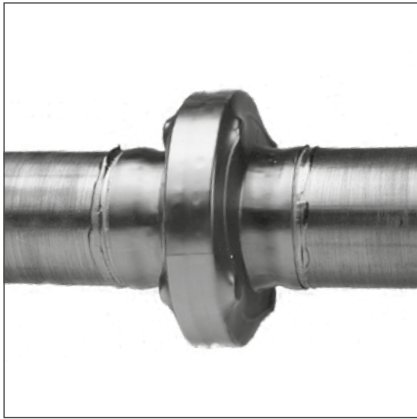
HDPE with viscoelastic adhesive

Properties

High shrink; load class C30 M; width 300 mm;
shrinkage rate:
approx. 65% ND 80 - 100;
approx. 50% ND 125 - 150;
approx. 45% ND 200 - 250;
approx. 40% ND 300;
approx. 35% ND 350 - 400

Sizes

Heat shrink sleeve for ND 80 - 400



Covalence® **FCTS**

Fields of application

For retrocoating of flange connections at new installations

Material

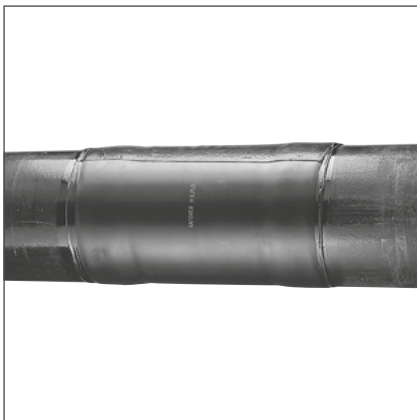
HDPE with viscoelastic sealant; adhesive-free flange area

Properties

High shrinking; load class C30; width 300 mm; shrink rate:
approx. 67% ND 80 - 100;
approx. 45% ND 150 - 200

Sizes

Heat shrink sleeve for ND 80 - 200



Covalence® **WPC-C30-E**

Covalence® **HTLP60-DCS-C50**

Fields of application

For weld seam retrocoating on already laid and connected pipes or new installations

Material

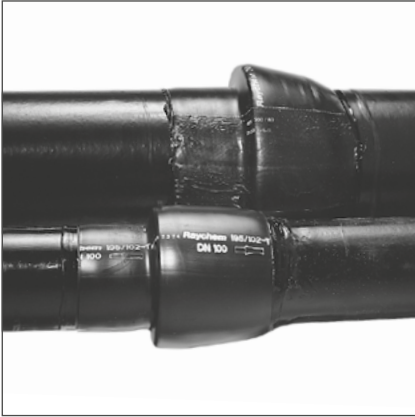
WPC: HDPE with viscoelastic sealant adhesive; HTLP60: HDPE with hot melt adhesive

Properties

Stress class C30 (WPC) & C 50 UV (HTLP60); width 450 mm; shrink rate approx. 25%; available pre-assembled or as roll material

Sizes

Heat shrink sleeve for ND 80 - 1200; sealing tape:
ND 80 - 450: Width 100 mm;
ND 500 - 1200: Width 150 mm



Covalence® **MEPS-C30**

Fields of application

Heat shrink sleeve for retrocoating a connection sleeve (MEPS-C30) or a flange joint (FCWS-F, HEPS-C30, MEPS-C30)

Material

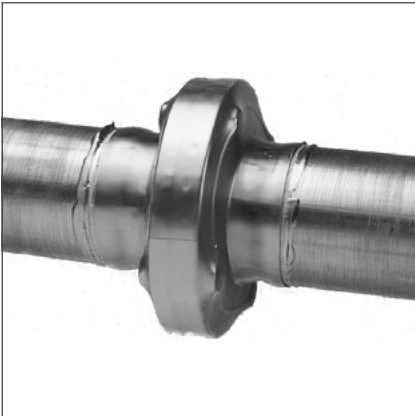
HDPE with viscoelastic adhesive with separate sealing tape

Properties

Load class C30; width 300 - 600 mm; shrink rate approx. 36%; pre-assembled or as roll material

Sizes

Heat shrink sleeve for ND 125 - 1000; sealing tape up to ND 500: Width 150 mm; from ND 600: Width 200 mm



Covalence® **FCWS-F** Covalence® **HEPS-C30** Covalence® **MEPS-C30**

Fields of application

For retrocoating of flange connections on already laid and connected pipes or new installations

Material

HDPE with viscoelastic sealant with separate sealing tape; FCWS-F reinforced material; with zip fastener

Properties

FCWS-F: Load class C30; width 220 - 300 mm; shrink rate approx. 50%; MEPS-C30/HEPS-C30: Width 450 or 600 mm; shrink rate approx. 36% (MEPS-C30) and 45% (HEPS-C30); pre-assembled; available as rolls

Sizes

Heat shrink sleeve for ND 50 - 1200 PN 16 (others on request)



Covalence® **FLEXCLAD II**

Fields of application

For pipe bend retrocoating, on already laid and connected pipes or new installations

Material

HDPE with hot melt adhesive coating

Properties

Load class C30; Width: 35, 50, 70, 100 mm; shrink rate approx. 20%; roll material

Sizes

Shrinking tape for ND 25 - 300



Covalence® **PERP**

Fields of application

Repair of small damages on the factory coating or coating of welding electrodes

Material

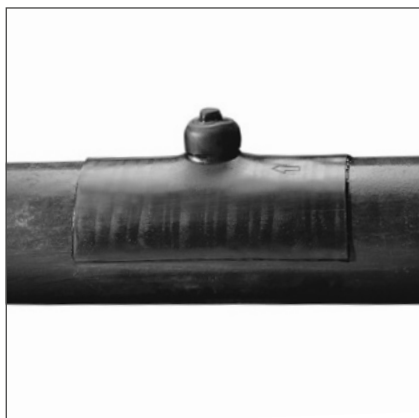
HDPE with hot melt adhesive coating

Properties

Assembled kit or roll material

Sizes

Repair patch 140 x 170 mm incl. filler and emery cloth;
repair patch on rolls 10 m x 450 mm;
Repair filler 50 x 3 mm x 3 mm;
PE-melt stick Ø 25 mm x 305 mm



Covalence® **BLOT**

Fields of application

For subsequent coating of a weld-on socket in fields of gas distribution networks

Material

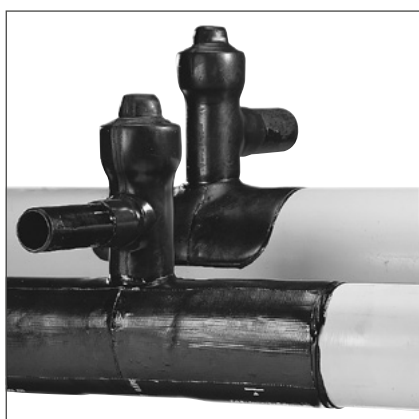
HDPE as saddle with collar, as well as a separate cap; hot-melt adhesive coating inside

Properties

Load class C 50; saddle 300 x 320 mm; collar approx. 30 - 40 mm

Sizes

Heat shrink molded part 200, 300, 400



Covalence® **HTTE**

Fields of application

For subsequent coating of house connection valves

Material

HDPE with special adhesive coating inside

Properties

The thick-walled, strongly expanded molded part is coated with a special adhesive inside; this melts during assembly and leads to a high-strength connection of the shrink molded part with the valve; DVGW certified according to DIN 30672 and DIN EN 12068, load class C50

Sizes

Valve ND 25 - 50



Covalence® **DIRAX** Kit

Fields of application

For subsequent corrosion protection on-site of pipelines with increased mechanical requirements

Material

Glass fiber reinforced HDPE; Hot melt adhesive; Epoxy primer

Properties

DIN EN 12068 / DIN 30672; load class C HT 60 UV

Sizes

ND 80 – ND 1050



AVAILABLE ONLINE | WWW.PSI-PRODUCTS.COM



Product data sheet



Installation



Certificates



Tender text



Application matrix



PRODUCT INFORMATION

Properties

- Backing material made of infusible, heat shrinkable bonded polyolefin
- Coating with hot-melt adhesive, high adhesion, moisture-proof, impact- and abrasion-resistant material, remains flexible and free of cracks even under continuous stress
- Quick and easy installation by shrinking on with gentle propane gas flame without additional adhesive or primer
- Provides protection against creepage, rotting and UV resistant
- Compatible with all common pipeline coatings
- Low preheat requirements, self-healing effect due to viscoelastic sealant
- Dimpled structure in the backing material as an installation aid

Fields of application

Subsequent coating of:

- Welded seams
- Connecting sockets (type Tyton, Fuchs etc.)
- Couplings, bolt connections and pipe bends
- Flanges
- Damaged factory coatings
- Welding electrodes
- Weld seams with higher mechanical load

Sealing of

- Casing pipes
- Vitrified clay pipes
- Packed and bolt gland sockets

Description

Application: Under normal conditions, no primer is required for heat shrink products. As with all corrosion protection systems, the surface to be coated or subsequently insulated must be clean, free of grease, and dry. With heat-shrinkable corrosion protection systems, it is particularly important to pay attention to compliance with the specified pre-heating temperatures. The more precisely the pre-heating temperatures are kept to, the better and longer lasting the peel and shear resistances of the hotmelt adhesives will be.

The hot melt adhesive liquifies during the shrink process onto the pipe (using a propane gas flame).

The liquefied hot melt adhesive then completely moistens the surface to be coated or subsequently insulated, sticking in any unevenness and fills any small cavities (e.g. transition from steel to factory coating or edges of welded seam). This process is supported by the shrink tension in the retainer material which occurs during processing.

The shrinkage stress of the backing which is in the retainer material is permanently present, and the adhesion of the hot-melt adhesive fix the shrinking tube or the shrink sleeve in place, even if the pipe moves and if there are active shearing forces at the given point.

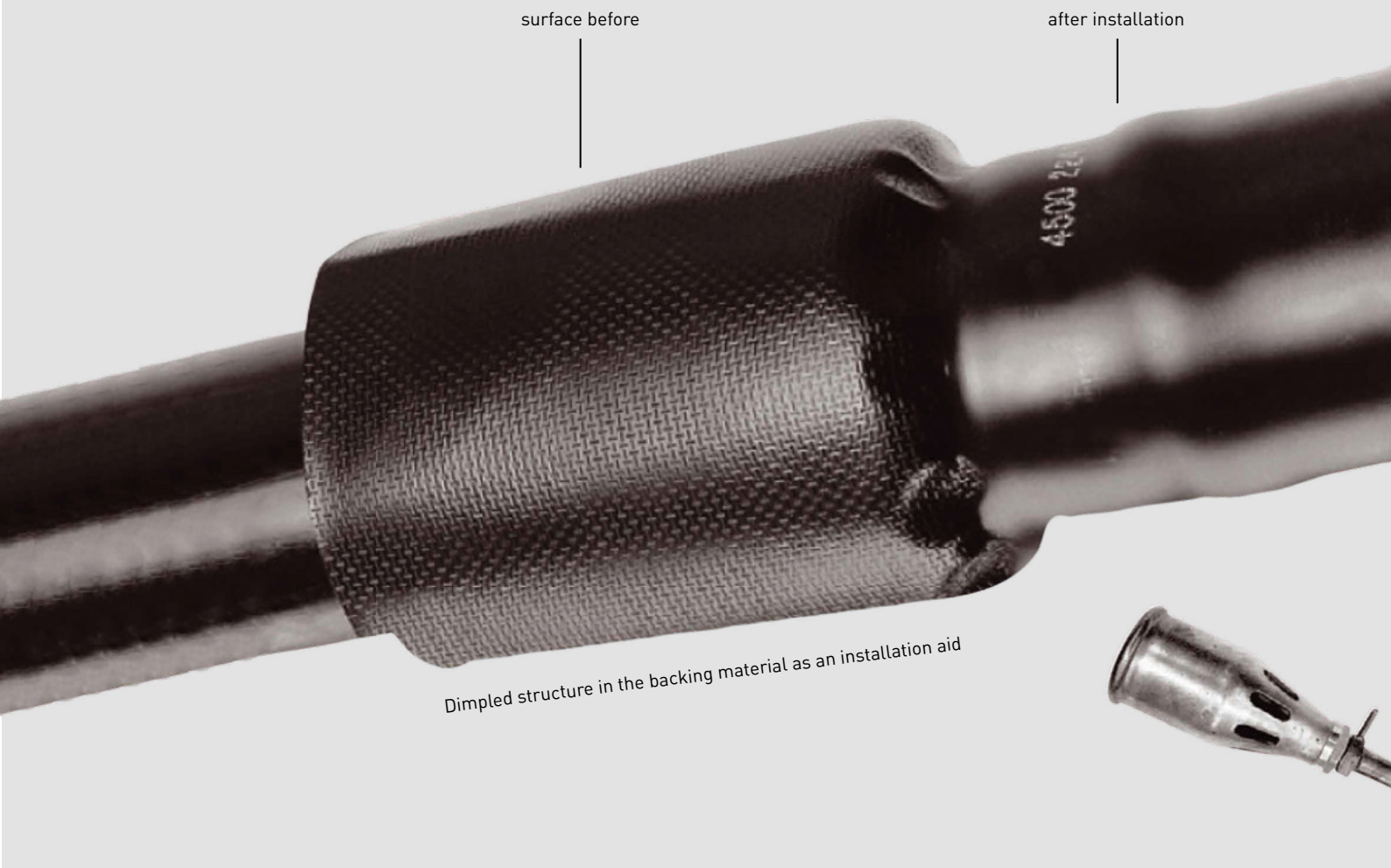
The backing material, which solidifies after cooling, offers the relatively soft hot-melt adhesive optimal mechanical protection.



TECHNICAL INFORMATION

A non-destructive, optical quality control is possible:

- The heat shrink product must be completely smooth and bubble-free
- The hot-melt adhesive must have been pressed out at the edges all around the circumference of the pipe
- The required overlap to the factory coating must be at least 50 mm on both sides
- The factory-applied dimpled structure in the backing material (PCI) is no longer visible





SUITABLE ACCESSORIES

Shrink cap



CERTIFICATES

To offer our customers the best possible quality and service, we are organized according to DIN EN ISO 9001:2015 and have this continuously checked and certified.

CERTIFICATE ISO 9001:2015

This certification documents our conformity of the quality management system

AEO CERTIFICATE

Authorized Economic Operator "AEOC (customs simplification)"

Covalence®



DVGW TYPE EXAMINATION CERTIFICATE; DIN 30672, DIN EN 12068

- CPSM; C 30
- TPSM; C 30
- MPSM; C 30 M
- FCTS; C 30
- WPC C30-E; C 30
- HTLP 60; C 50 UV
- MEPS C30-E; C 30
- HEPS C30-E; C 30
- Flexclad II; C 30
- BLOT; C 50
- HTTE; C 50
- DIRAX; CHT 60 UV