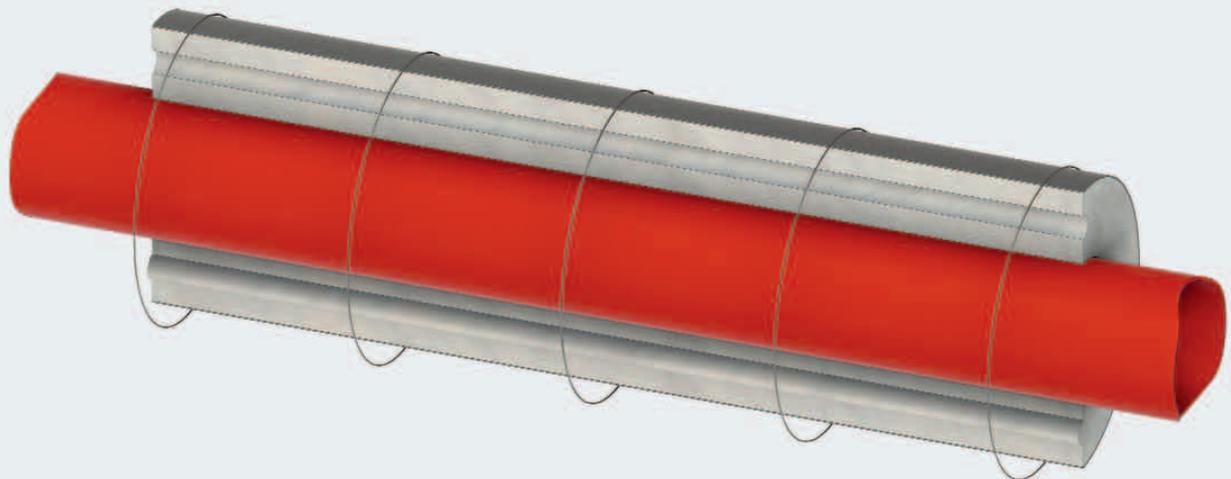


**Fire Protection for
Fire Extinguishing and Sprinkler Lines**

HSMC

Vatral® SP System

Processing Instructions





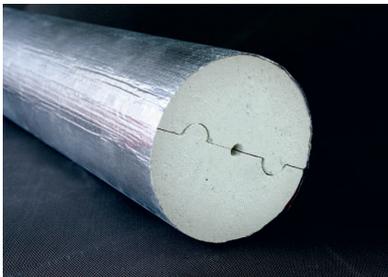
Required Materials



Vatral® SPS
pipe shell for
the cladding of
straight pipelines



Vatral® SPS
pipe shell for
additional cover-
ring



Vatral® SPS
pipe shell for
the cladding of
threaded rods



Vatral® SPB
pipe bend for the
cladding of pipe
bends (on request)



Vatral® SPM
mortar for filling
of cavities



Vatral® 200
fire protection ad-
hesive for bonding
the shells and bends
among each other
and for bonding of
the aluminum foil
overlap



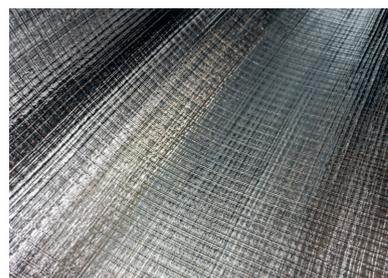
Vatral® 210
system adhesive
for additional
bonding of the
aluminum foil on
un laminated
mortar fillings



**certoplast 727
SR Alu**
adhesive tape
to cover the
joints



**Galvanized
winding wire**
with a thickness
from 0,6 – 0,65 mm



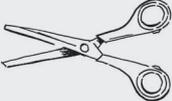
**WALKI® Wool
Alnet G FF 30**
coating made of scrim
reinforced aluminum
composite foil for ad-
ditional lamination of
mortar fillings

Processing of the Vatral® SP System

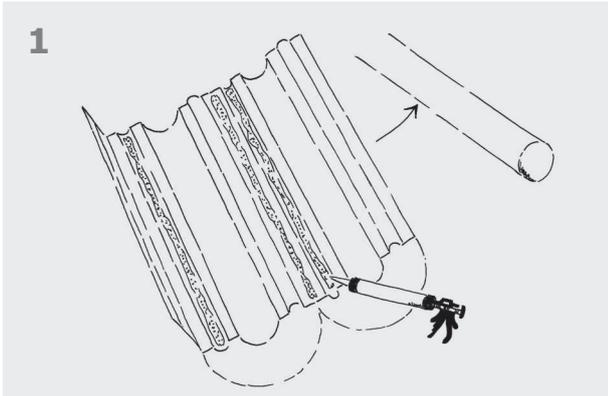
Vatral® SPM mortar must be stored and transported in dry and closed conditions at temperatures above 5 °C. The mortar is ready for use. Before processing stir slowly and thoroughly, but do not dilute. The mortar can be applied with a steel trowel. The substrate must be free of

dust and grease. The temperature must not be below 5 °C during processing. The mortar can be ground, drilled and cut after it has dried completely. Personal protective equipment must be used.

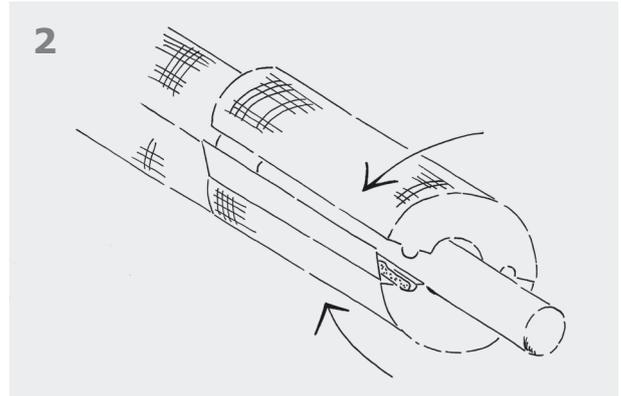
Tools for processing the Vatral® SP System

	Measuring tape		Folding rule
	Steel ruler		Box cutter
	Scissors		Hand saw
	Spray bottle		Spatula
	Cartridge press for tubular bags		Wire cutting pliers

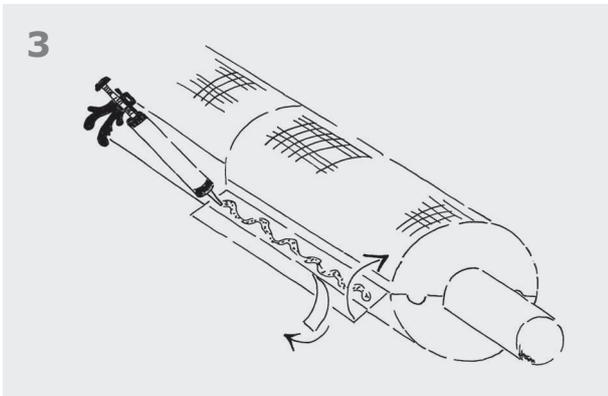
For fire protection cladding of straight pipelines



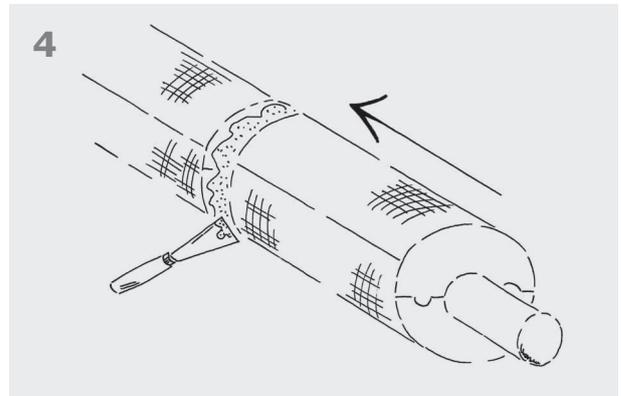
1
Unfold the Vratral® SPS pipe shell and fill both grooves thinly with Vratral® 200. If a shorter pipe shell is required, it can be cut to the required length using a hand saw.



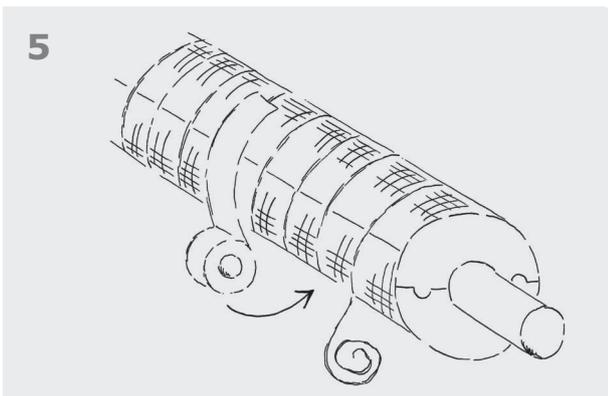
2
Position both half shells around the pipe to be clad, close and press tightly.



3
Apply Vratral® 200 thinly in the overlap area. Remove cover from double-sided adhesive tape. Press overlap down firmly.

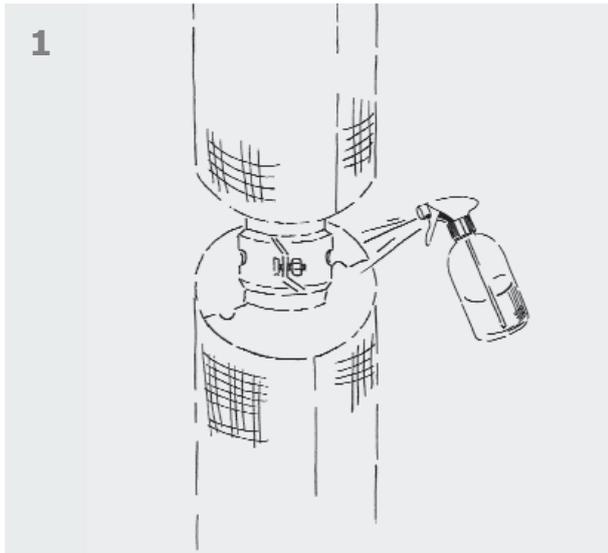


4
Apply a thin layer of Vratral® 200 to the end face of the Vratral® SPS pipe shell. Press the Vratral® SPS pipe shell against the existing shell.

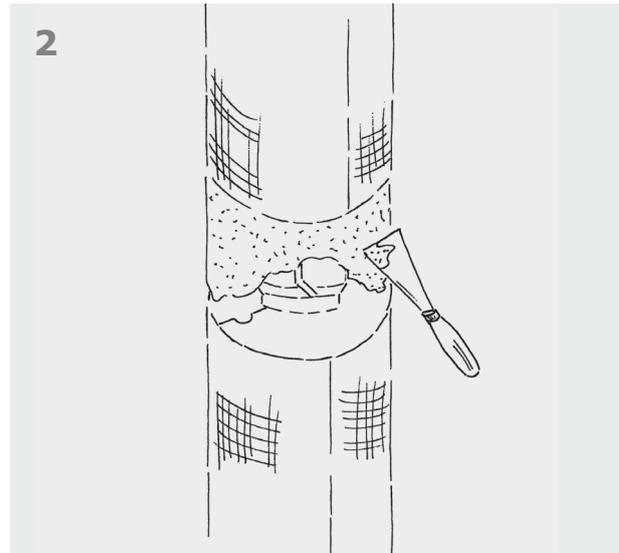


5
Wrap the butt joint with aluminum tape. A maximum of 30 % of the pipe shell surface may be covered. Afterwards, wrap the pipe shell with galvanized winding wire (d = 0.6 – 0.65 mm) with at least 6 windings per meter (according to DIN 4140, AGI 152).

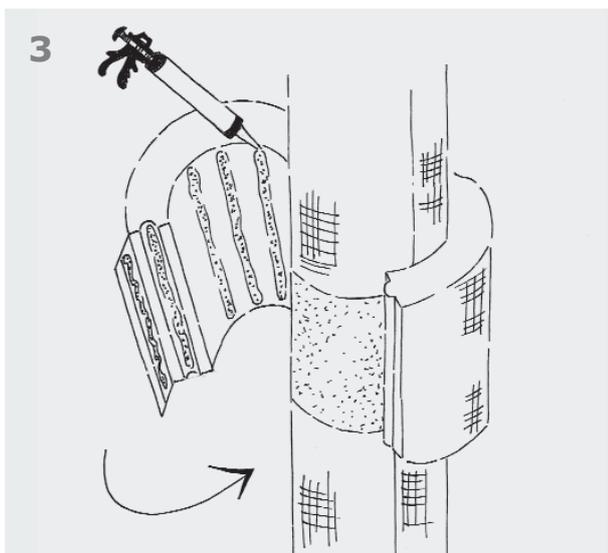
For filling voids in pipe connectors and fittings, branches and reductions as well as joints to wall and ceiling connections



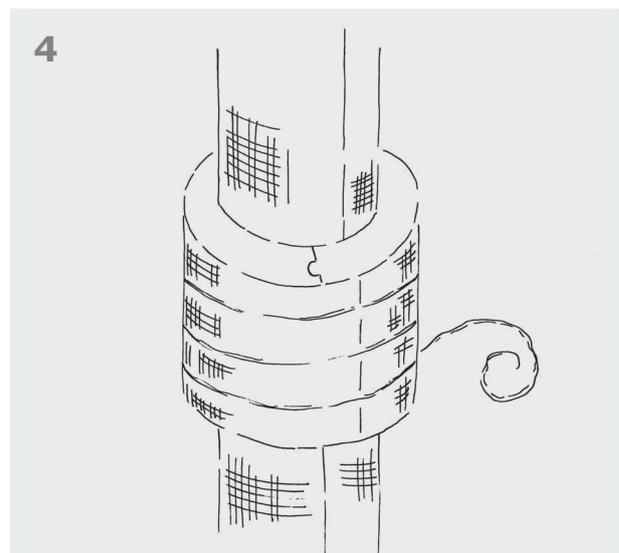
1
Install Vatra® SPS pipe shells close to the pipe connector. Moisten profile surfaces with water.



2
Areas that cannot be clad with Vatra® SPS pipe shells must be filled gap-tight with Vatra® SPM mortar up to the level of the installed pipe shell.



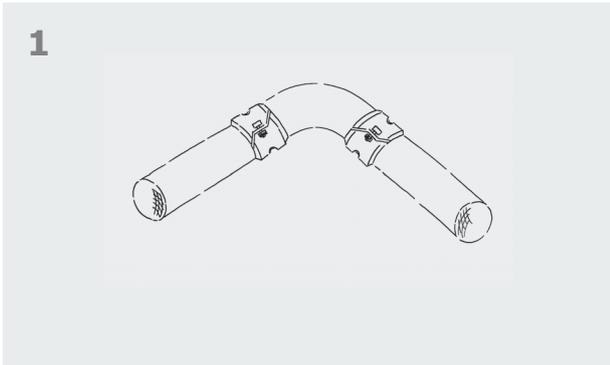
3
Saw the Vatra® SPS pipe shell for additional covering to length so that the filled joint is covered by 5 cm on both sides. Apply Vatra® 200 to the inner surface of the shell and to the groove and aluminum foil. Then fold the shells into final position and press firmly. Remove the cover of the double-sided adhesive tape and press on the overlap of the aluminum foil.



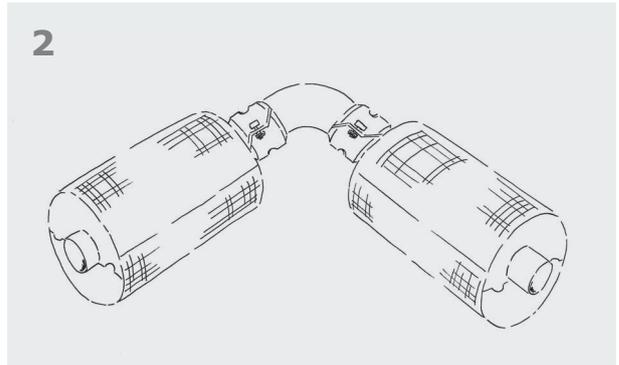
4
Cover the unlined profile surfaces with adhesive tape certoplast 727 SR Alu. Then wrap the pipe shell with galvanized winding wire (d = 0.6 – 0.65 mm) with at least 6 windings per linear meter (according to DIN 4140, AGI 152).



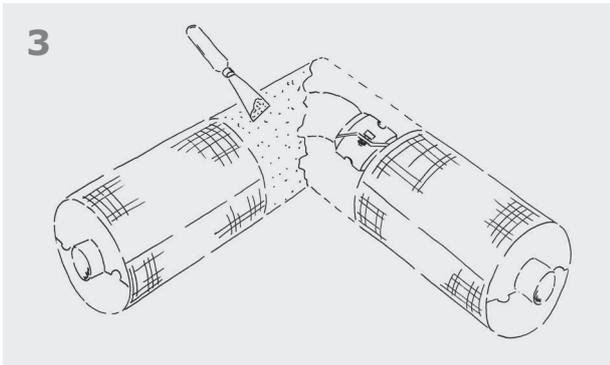
For the cladding of pipe bends



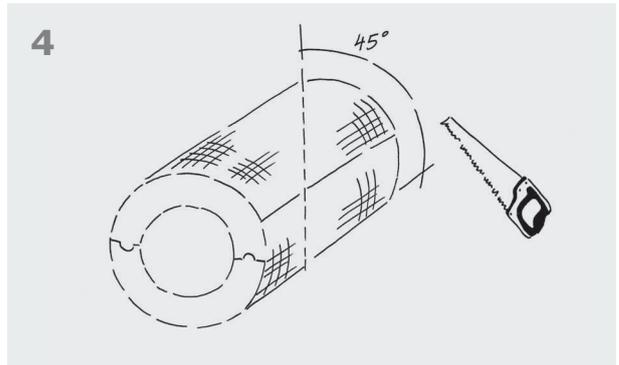
1
Have ready Vatral® SPS pipe shells, Vatral® SPS pipe shell for additional covering, Vatral® SPM mortar as well as Vatral® 200 fire protection adhesive.



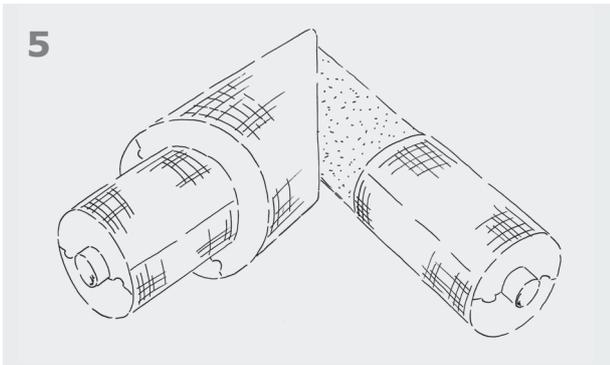
2
Cover both pipes up to the connectors with Vatral® SPS pipe shells.



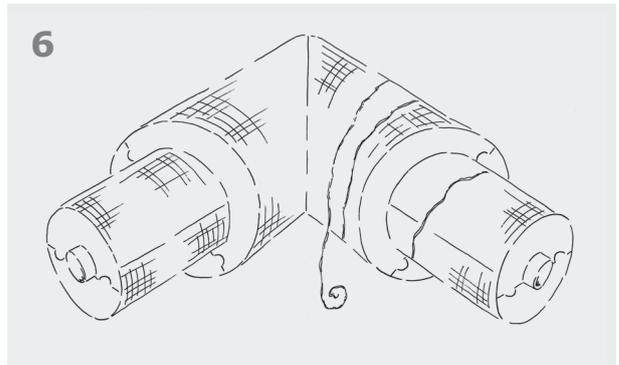
3
Cover the curved area and the connectors with Vatral® SPM mortar. In doing so, extend the course of the pipe shell in a straight line (do not follow the course of the pipe bend).



4
Cut the Vatral® SPS overshell to miter. The length is selected so that the connector is covered by at least 5 cm.

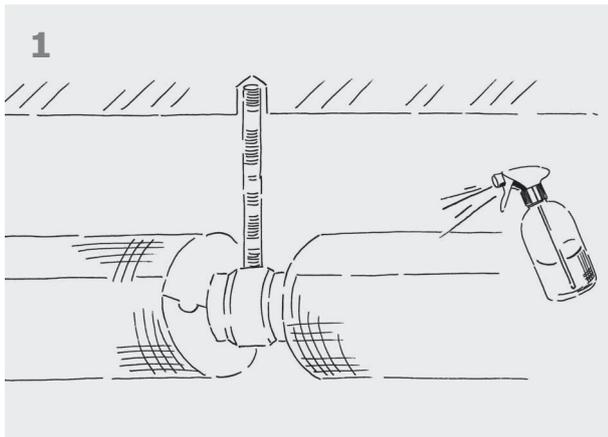


5
Cover the area filled with Vatral® SPM mortar with Vatral® SPS pipe shell for additional covering

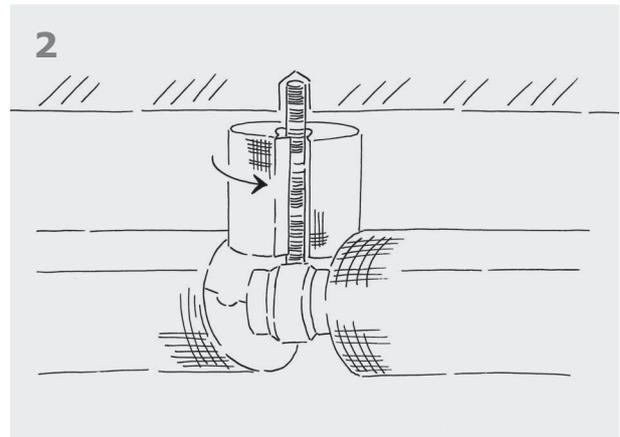


6
Mount both Vatral® SPS shells flush with each other. Then wrap the pipe shells with galvanized winding wire (d = 0.6 – 0.65 mm) with at least 6 windings per running meter (according to DIN 4140, AGI 152).

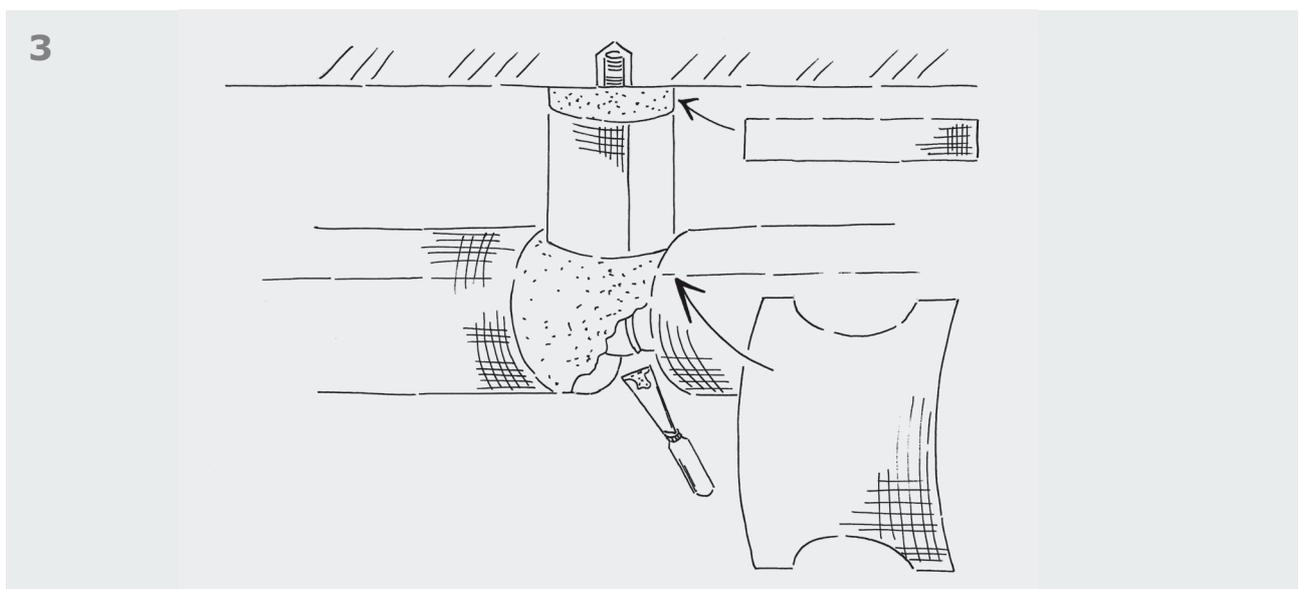
For the cladding of pipe suspensions



1
Install Vratral® SPS pipe shells close to the pipe connector. Moisten profile surfaces with water.

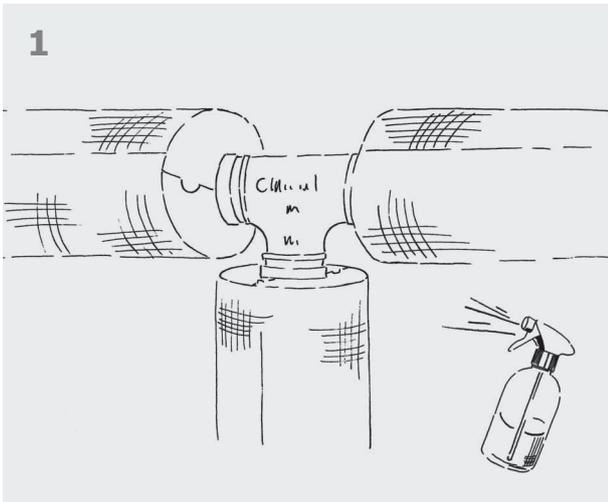


2
Saw Vratral® SPS pipe shell for covering threaded rods to the correct length so that it sits flush on the pipe clamp and the joint to the ceiling max. 5 cm. On the inner surface of the pipe shell, groove and aluminum foil, apply a thin layer of Vratral® 200. Then fold the shells into final position and press firmly. Remove the cover of the double-sided adhesive tape and press on the overlap of the aluminum foil.

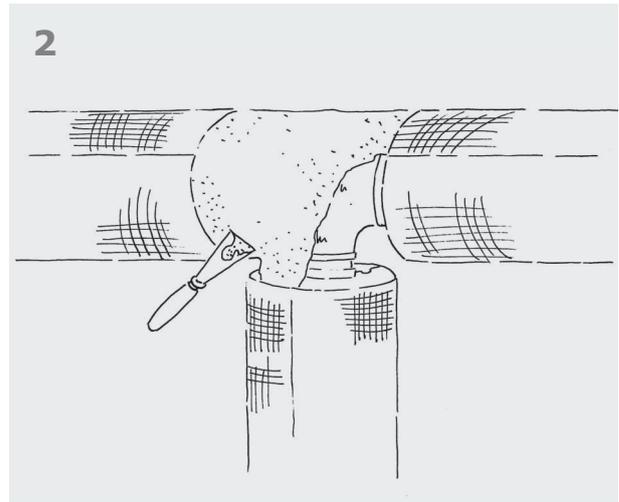


3
Fill areas that cannot be clad with Vratral® SPS pipe shells with joint-tight Vratral® SPM mortar up to the level of the installed pipe shell. Allow the surface of the mortar to dry for one hour. Cover filled areas with coating. To do this, cover the coating with a thin layer of Vratral® 210 system adhesive and bond it to the dried mortar.

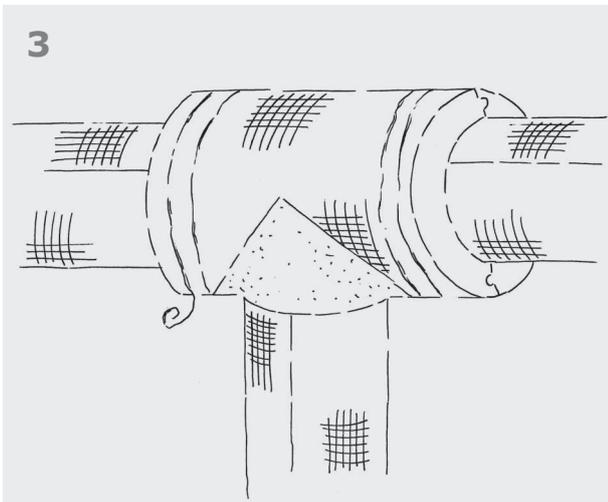
For cladding of T-pieces



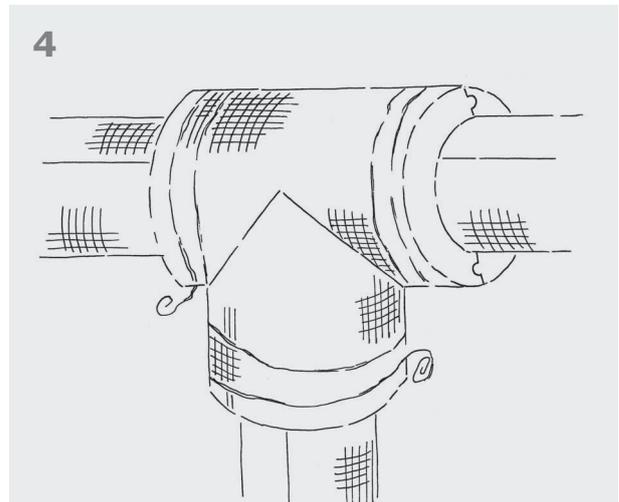
1
Install Vratral® SPS pipe shells up to the pipe connectors. Moisten the profile surfaces with water.



2
Fill areas that cannot be clad with Vratral® SPS pipe shells with joint-tight Vratral® SPM mortar up to the height of the installed pipe shells.

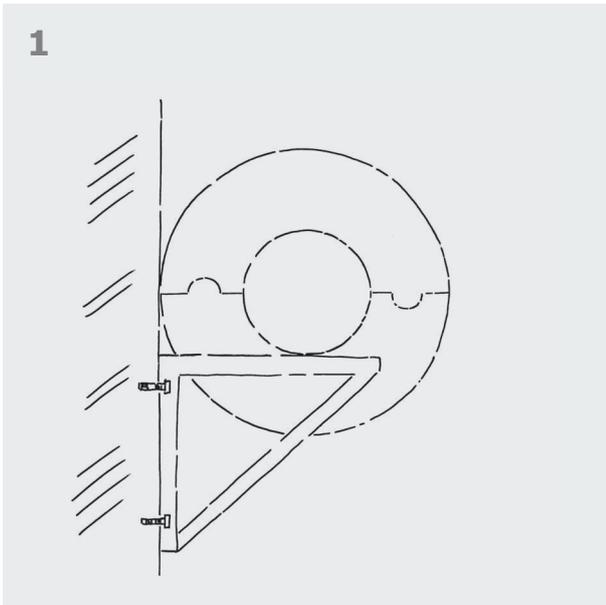


3
Saw the Vratral® SPS pipe shell for additional covering to the correct length so that the backfilled area is covered by 5 cm on both sides. Cut a 90° wedge into the outer casing in the area of the crossing pipe. Apply Vratral® 200 to the inner surface of the outer shell and to the groove and aluminum foil. Then fold shells into final position and press firmly. Remove the cover of the double-sided adhesive tape and press on the overlap of the aluminum foil. Then wrap the overlap with galvanized winding wire (d = 0.6 – 0.65 mm) with at least 6 windings per meter meter (according to DIN 4140, AGI 152).

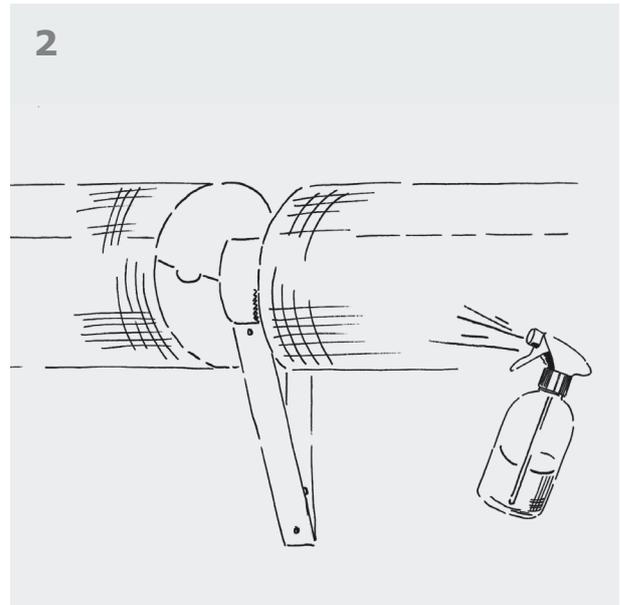


4
Saw the Vratral® SPS pipe shell for additional covering to the correct length and cut it into a wedge shape on one side. Apply Vratral® 200 to the inner surface of the groove and aluminum foil with Vratral® 200. Then fold shells into final position and press firmly. Remove the cover of the double-sided adhesive tape and press on the overlap of the aluminum foil. Then wrap the outer shell with galvanized winding wire (d = 0.6 – 0.65 mm) with at least 6 windings per meter meter (according to DIN 4140, AGI 152). Defects are filled with Vratral® SPM mortar.

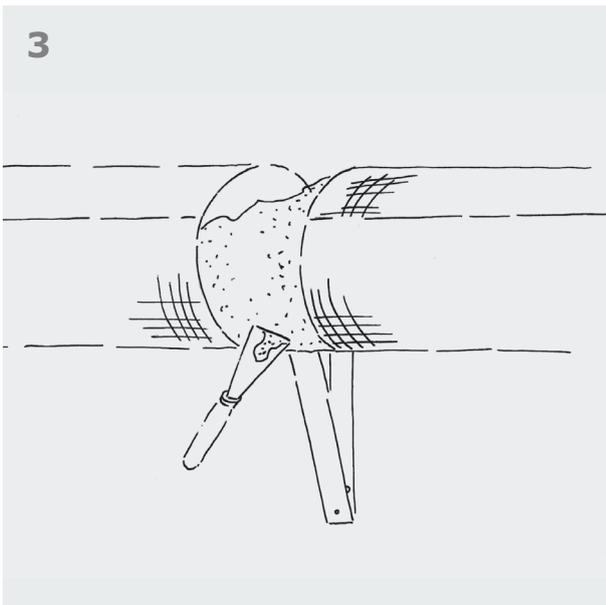
For cladding of pipe supports



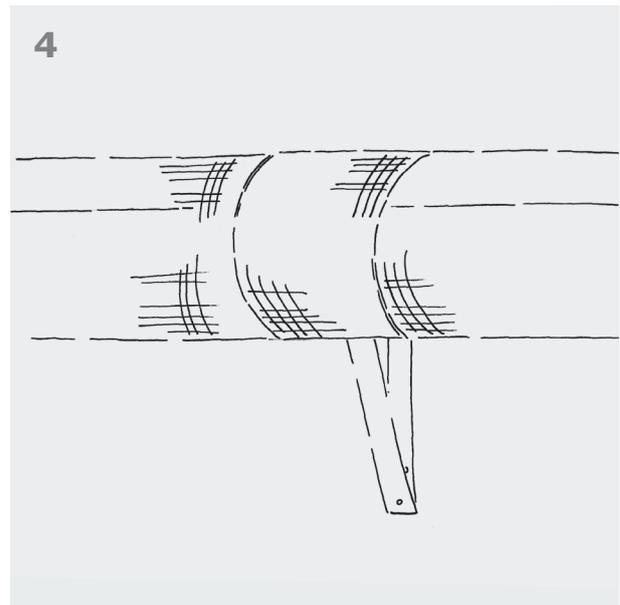
VdS-approved wall brackets with pipe brackets can be used as pipe supports.



Install Vatral® SPS pipe shells close to the wall angle. Moisten profile surfaces with water.



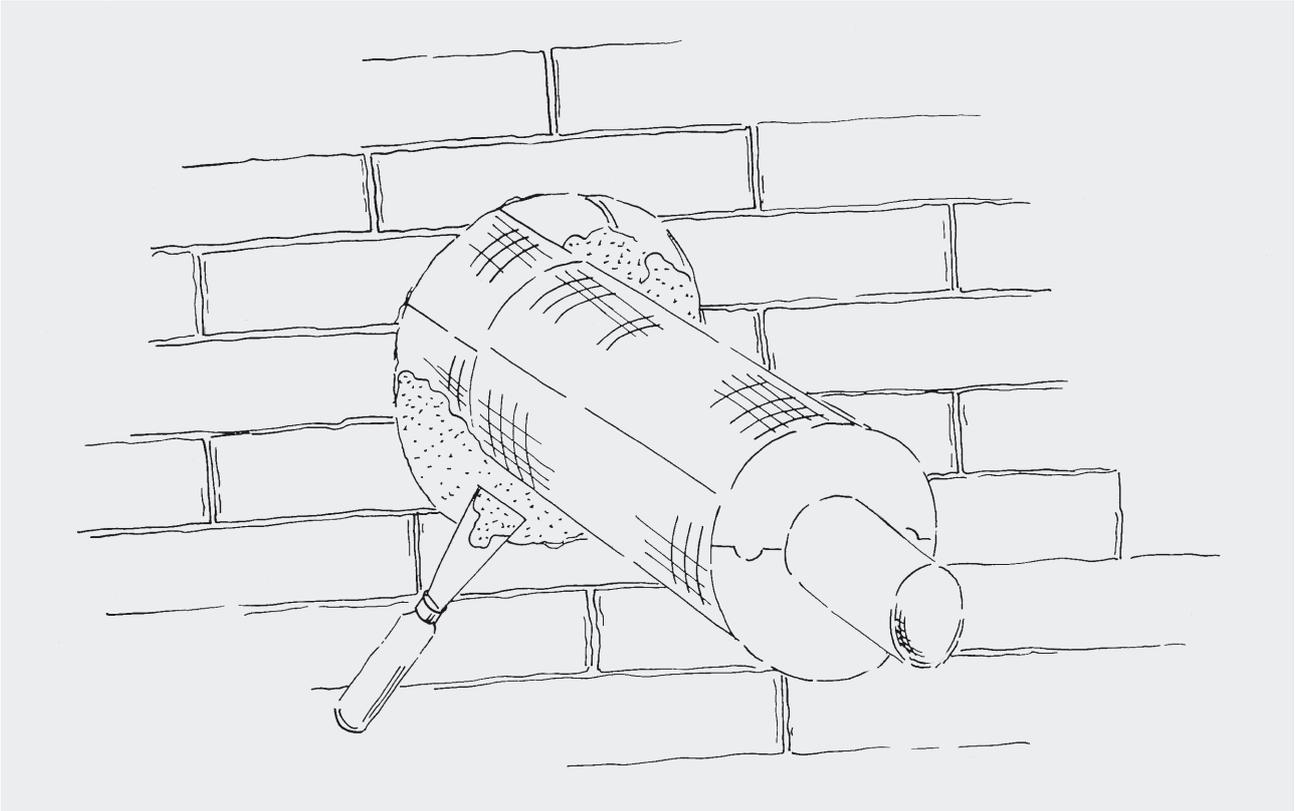
Areas that cannot be clad with Vatral® SPS pipe shells must be filled joint-tight with Vatral® SPM mortar up to the level of the installed pipe shell.



Cover the backfilled area with coating. For this purpose apply a thin layer of Vatral® 210 system adhesive to the coating and glue it to the mortar. Cut the coating where intersection with the wall angle occurs.



For the passage of pipelines through room-sealing components

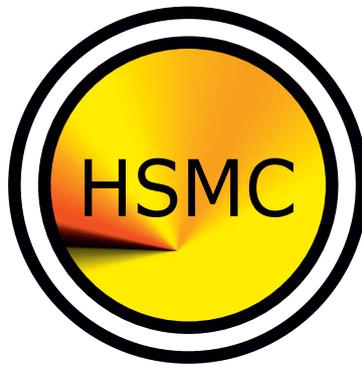


When using the Vatral[®] SP system, the clad pipelines can be routed through space-enclosing components in solid construction. Residual gap fillings can be made in accordance with MLAR up to a joint width of 50 mm using Vatral[®] SPM mortar or Vatral[®] Defence A1. Larger joints/openings must be filled with approved systems.

Disclaimer

Our technical information reflects the state of our knowledge and experience at the time of printing. Therefore, please use the latest edition, as the level of experience and knowledge is constantly evolving. In case of doubt, please contact us. Described application examples cannot take into account the special circumstances of the individual circumstances of the individual case and are therefore liability.

For the qualified company
Issue 6/2022



Sales partner

TDH GmbH – Hamburg
Technischer Dämmstoffhandel

Billstraße 226
20539 Hamburg
Telefon: +49 40 213021
info@tdh-hamburg.de
www.tdh-hamburg.de

TDH Koblenz GmbH
Technischer Dämmstoffhandel

Im Sinderfeld 4
56072 Koblenz
Telefon: +49 261 889710
info@tdh-koblenz.de
www.tdh-koblenz.de

TDH GmbH – Niederlassung Dresden
Technischer Dämmstoffhandel

Sternstraße 14
01139 Dresden
Telefon: +49 351 8471440
info@tdh-dresden.de
www.tdh-dresden.de

TDH NRW GmbH
Technischer Dämmstoffhandel

Wartburgstraße 243
44579 Castrop-Rauxel
Telefon: +49 2305 97730
info@tdhnrw.de
www.tdhnrw.de

TDH Berlin GmbH
Technischer Dämmstoffhandel

Bergholzstraße 2
12099 Berlin
Telefon: +49 30 70761320
info@tdhberlin.de
www.tdhberlin.de