

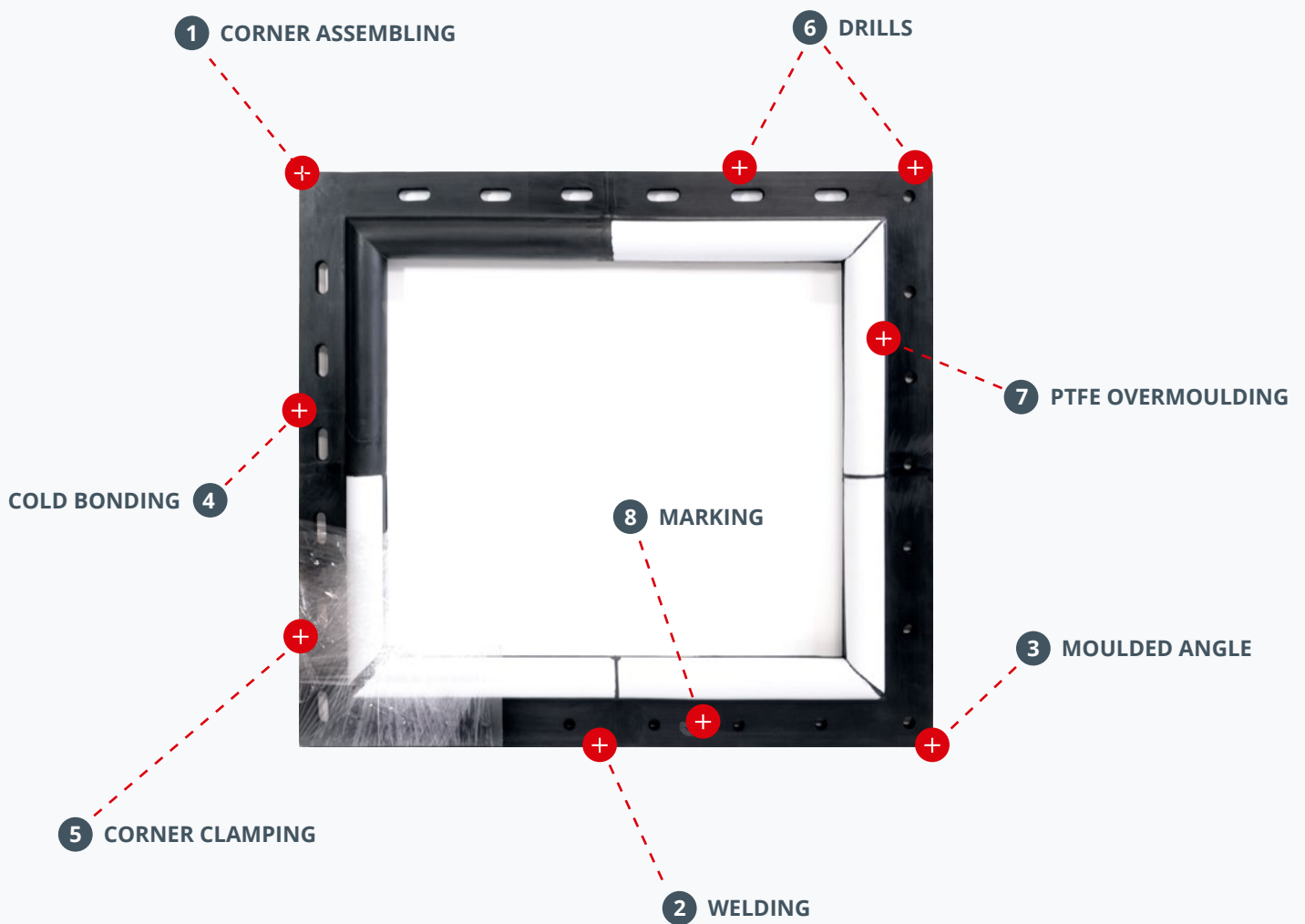


HYDROPOWER SEALING

With 60 years experience in the hydropower sealing, BORFLEX® benefits from significant resources in the design of elastomer blends as well as tools to meet all the needs of this industry.

BORFLEX® is solution provider for the hydropower applications in the static and dynamic sealing field.





1 CORNER ASSEMBLING

No tooling, through vulcanization.



2 WELDING

Vulcanization with tooling.



3 **MOULDED ANGLE**

This option makes it possible to mould two different profiles and therefore eliminate angle leaks.



Possibility of moulding a rounded angle to optimise waterproofing.



4 **COLD BONDING**

For length adjustment on site.

Cold bonding to finished parts must remain exceptional.

Possibility of delivery of the gluing kit.



6 **DRILLS**

Oblong shape option for size adjustment.



7 **PTFE OVERMOULDING**

To reduce frictions.



5 **CORNER CLAMPING**

For protection during transport and handling before assembly.

Possibility of delivery in wooden crates..



8 **MARKING**

p/n reference marking.



SOLUTIONS FOR THE HYDROPOWER SEALING

RUBBERFLOW® is a range of elastomers specially designed for applications related to waterway sealing. In addition to sealing, elastomers must fulfil several other essential functions:

- abrasion resistance,
- tear resistance,
- deformation resistance,
- resistance to heat and cold,
- hydrocarbon resistance,
- persistent deformation after compression,
- ageing,
- ozone and UV resistance,
- etc.



The rubber blends used in this range comply with the specifications of the main customers (EDF, VNF, CNR, GE Hydro, Ponticelli, Eiffage, Endel Engie, Cockerill, etc.).

Technical data

RUBBERFLOW®

	RUBBERFLOW® 600		RUBBERFLOW® DIN 650-01		RUBBERFLOW® 700	
	Norm	Spec.	Norm	Spec.	Norm	Spec.
Chemical nature of the base polymer	-	CR	-	EPDM	-	CR
Shore A 3 s (Points) hardness	NF ISO 48-4	60 ±5	NF ISO 48-4	65 ±5	NF ISO 48-4	70 ±5
Maximum Stress (MPa)	NF ISO 37	13	NF ISO 37	16	NF ISO 37	16
Stress at 100% elongation (MPa)	NF ISO 37	2,8	NF ISO 37	2,7	NF ISO 37	3,6
Elongation at break (%)	NF ISO 37	> 300	NF ISO 37	> 450	NF ISO 37	> 300
Tear resistance (kN/m) – Method B – Angular without notch	NF ISO 34-1	> 25	NF ISO 34-1	> 45	NF ISO 34-1	> 40
Abrasion resistance index (mm³) – Method B	NF ISO 4649	262	NF ISO 4649	146	NF ISO 4649	209
Compression set (24 % at 70° C)	NF ISO 815-1	14	NF ISO 815-1	6	NF ISO 815-1	9

Values provided for information only. The results mentioned on this sheet are based on an average of the results obtained during the tests. BORFLEX® ensures the updating of its technical data sheets upon customer's request.