

## GRAVEL FILTERS



The Hidroplus filter system, coated with siliceous gravel is based on the application of siliceous gravel mixed with epoxy onto the Hidroplus PVC filter.

The result is a filter with the embedded gravel pack.

The correct amount of epoxy, adheres the particles just at the point of contact between them. This allows for consistency in the gravel pack while providing a high permeability.

Hidroplus offers a choice of variables

- Rabbet size
- Calibre of the gravel.

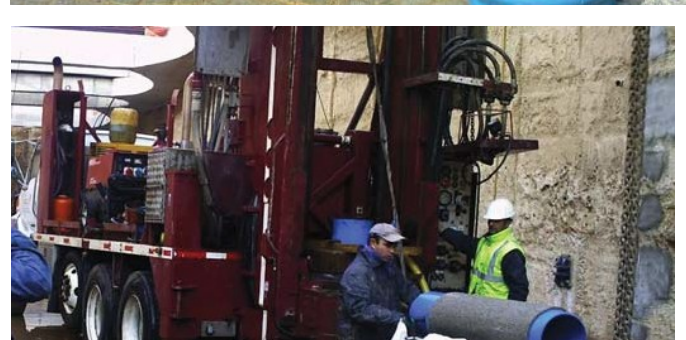
RABBET SECTION (mm)

0,2	0,5	1	1,5
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GRANULOMETRY

0,6 - 1	1,5 - 2	2 - 3	3 - 5
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THE COMBINATION OF THE TWO VARIABLES ALLOWS US TO TACKLE DIFFERENT SITUATIONS DEPENDING ON THE LAND:





## Very Effective in the Following Situations:

- Recovery of wells blinded by sands, sludge.
- Probes where you can not safely introduce the gravel, or is difficult and expensive to make the gravelling.
- Probes with little space between the pipe lines and the drilling.
- Situations in which it is difficult to transport the gravel.
- Uneven ground for gravelling.
- Possibility to drill at a lower diameter.
- Control probes prepared for longevity.
- Land with sand.
- Land with sludge.
- Avoids the problems of the recovery of the auxiliary pipeline when the annular space is scarce.

## APPLICATIONS



### TECHNICAL DATA

Diameter ext/int. (mm)	Diameter ext./gravel (mm)	Thickness gravel (mm)	Weight Kg/mt
33 x 24	53	10	3,2
42 x 30	62	10	3,5
48 x 34	68	10	4,5
63 x 53,6	85	11	5
75 x 63,8	105	15	7
90 x 76,6	120	15	8
110 x 96,8	140	15	11
125 x 110,2	155	15	12
140 x 123,4	170	15	13
160 x 141	190	15	16
180 x 166,2	210	15	18
200 x 184,6	230	15	21
250 x 230,8	280	15	27
315 x 290,8	355	20	39
400 x 369	440	20	60

### TABLE OF TECHNICAL CHARACTERISTICS AND REGULATORY REQUIREMENTS

Characteristics	Un .	UNE 53112	CEN 155 W 019
Density	Kg/m <sup>3</sup>	1350 a 1460	1350 a 1460
VICAT Softening Temperature	°C	>79	>80
Water Absorption	gr/m <sup>2</sup>	50	
Performance in the Heat	%	>5	>5
Resistance to Impact			
Fault at 0°C	%	>5	>5
Fault at 20°C	%	>5	>5
Resistance to Mpa Traction	>49		
Ductile Yield	%	>80	
Resistance to Internal Pressure			Dn Dn
At 20°C during 1 h	Mpa	4,2 Pn	<90 <90
At 20°C during 100 h.	Mpa	3,5 Pn	4,2Pn 3,35Pn
At 60°C during 1000 h.	Mpa	1,0 Pn	3,5Pn 2,80Pn
Degree of Gellification 15°30'			1,25Pn 1,0Pn
Tangential Tension S <sub>s</sub>	Mpa	10	
Short-term Elastic Modulus Mpa	3.000		