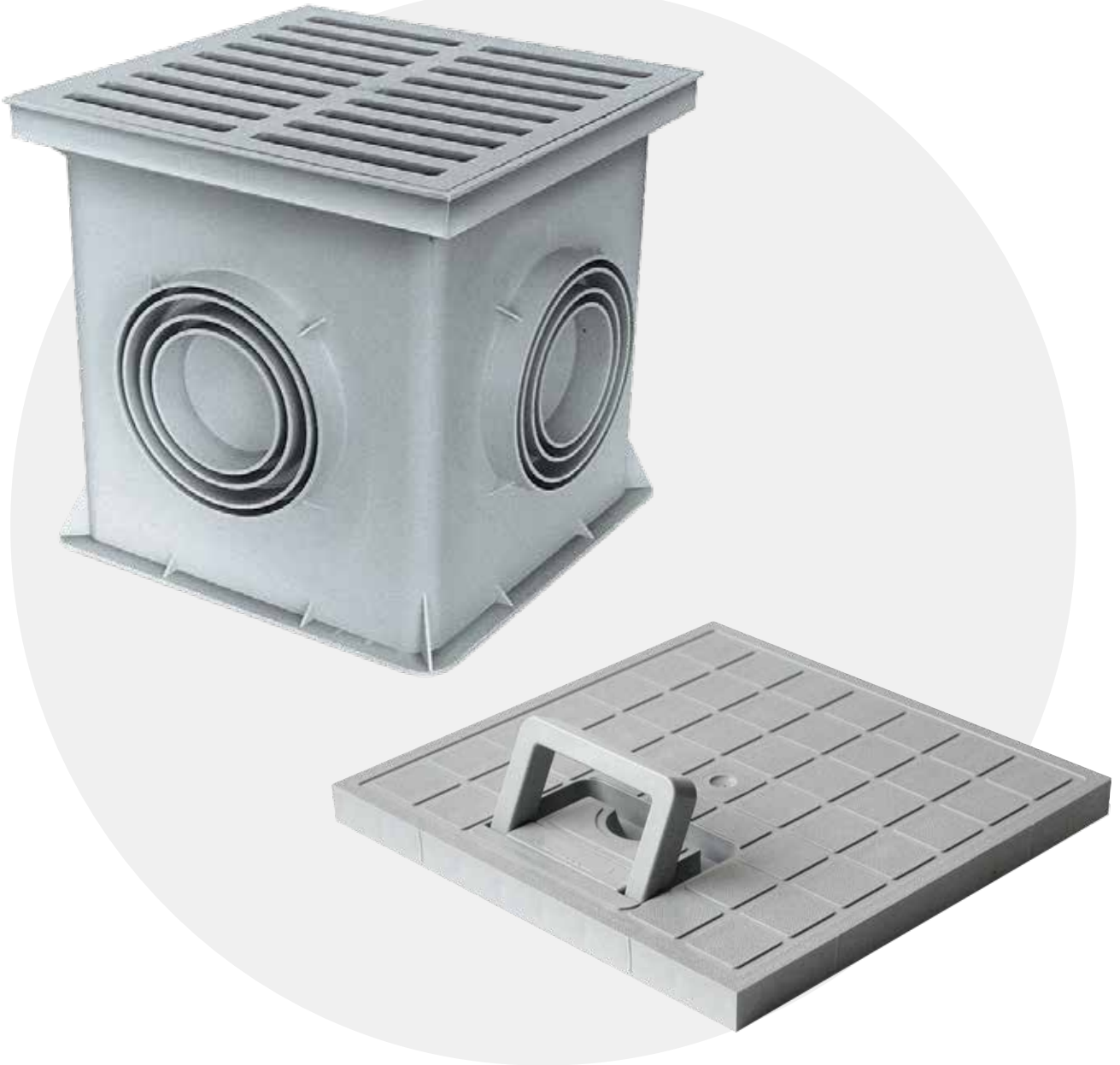


# Catch Basins, Covers and Grills

**REDI**

2.1 CATCH BASIN-COVERS-GRILLS



# Catch Basins, Covers and Grills

## Test methods

REDI brand products performances are tested in accordance to EN regulations.

Two tests are carried out in particular:

- waterflow control (discharge test)
- mechanical resistance (breaking test).

### Discharge test

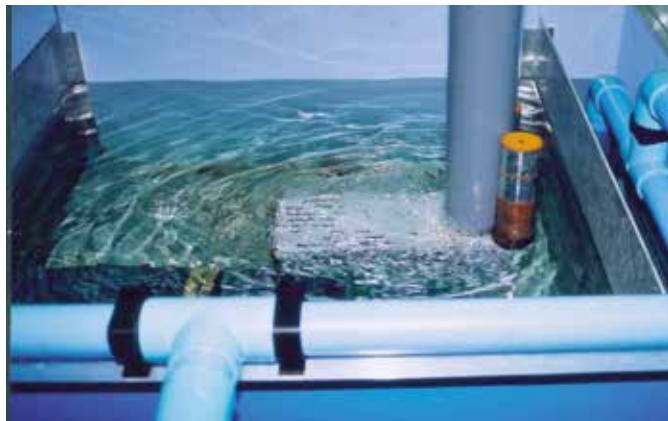
This test is carried out in compliance with EN1253-1 cap. 8.11. The discharge capacity (lt/sec) is indicated with the symbol:



### Test on mechanical stress resistance

This test is carried out in compliance with EN124 Standard. All certificates are available on request.

The breaking force (in KN) is indicated with the symbol:



Discharge Test on a rainwater collector.



Breaking test on a light duty traffic grill.

# Plastics Light solution

# Concrete Heavy solution



Polypropylene catch basin with PVC Grill



Concrete catch basin with concrete cover



Easy to open



Technical accessories



Difficult to open



No accessories



Light solution



Heavy solution



No leakage



Easy to open



Leakage (in the long term)



Difficult to open



Long time resistance of the junctions



Adaptable riser

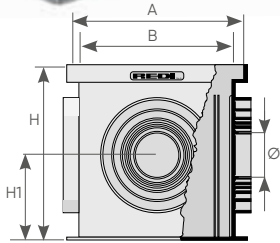


Short time resistance of the junctions



No extension





### PP Catch basin

#### Regard de branchement en PP - Arqueta de registro PP

Dim (mm)	Reference Grey Ral 7035	Reference Green Ral 6005			A (mm)	B (mm)	H (mm)	H1 (mm)	Ø outlet (mm)
200x200	Y222004	Y22200V	1	120	189	161	200	100	63; 82; 100
200x200	Y212104	-	1	120	189	161	200	100	75; 90; 110 (export)
300x300	Y223004	Y22300V	1	48	286	253	297	140	82; 100; 125; 140
300x300	Y213104	-	1	48	286	253	297	140	75; 90; 110; 125; 160 (export)
400x400	Y224004	Y22400V	1	18	384	355	397	200	100; 125; 140; 160; 200; 250
550x550	Y225504	Y22550V	1	8	535	500	520	250	160; 200; 250; 315

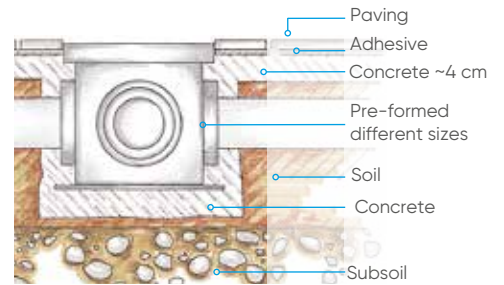
Material: Polypropylene

Use: inspection chamber for rain and waste waters.

Benefits:

- light-weight
- easier to install than concrete chambers
- fully injection moulding
- high durability
- preformed cutouts for insertion of pipes in various sizes on all sides
- smooth rounded angles for a higher shock resistance
- it may be used as a connector block for electric systems.

Note: a concrete floor seating is recommended to prevent subsidence.

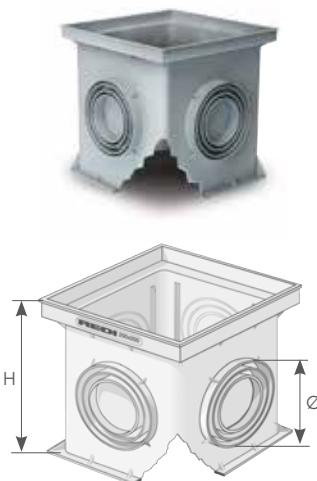


#### Baffle removal



### PP Bottomless extension

#### Rehause sans fond en PP - Alargadera arqueta PP



Dim (mm)	Reference Grey Ral 7035	Reference Green Ral 6005			H (mm)	Ø outlet (mm)
200x200	Y332004	Y33200V*	1	120	200	63; 82; 100
200x200	Y312104	*	1	120	200	75; 90; 110 (export)
300x300	Y333004	Y33300V*	1	48	297	82; 100; 125; 140
300x300	Y313104	*	1	48	297	75; 90; 110; 125; 160 (export)
400x400	Y334004	Y33400V*	1	18	397	100; 125; 140; 160; 200; 250
550x550	Y335504	Y33550V*	1	8	520	160; 200; 250; 315

\*upon request

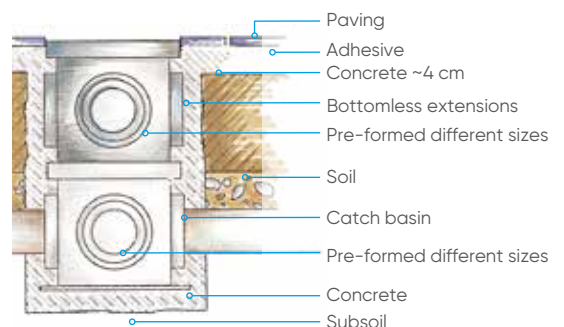
\* For a minimum quantity available in the green color.

Material: Polypropylene

Colour: Grey RAL 7035

Use:

- extension
- leaking chamber for underground disposal of rain water
- inspection chamber for irrigation plants
- it may be used as a connector block for electric systems.





**PP Catch basin for electric cables with watertight cover**

**Regard d'interface pour câbles électriques avec tampon étanche en PP**  
**Arqueta registro para cables eléctricos en PP, con cierre estanco**

Dim (mm)	H (mm)	Reference			Colour	Colour
250x250	240	E802504	1	60	Grey	Ral 7035 Grey
250x250	240	E80250V*	1	60	Green	Ral 6005 Green

Material: Polypropylene  
 Use : inspection chamber for electric cables  
 Inlet/outlet : Ø40, Ø50, Ø63, Ø75 mm  
 Condensation discharge Ø 20 mm  
 Screws for cover fastening included

\*upon request



Tested by **ISTITUTO GIORDANO**  
 Qualità al Futuro.

**IP 67 certificate in accordance to CEI EN60529 norm**

Protection against temporary water  
 (max 30' at 1 mt depth)

Total protection against bodies and dust penetration



All products can be classified in load class A15 in accordance with regulation EN124 (resistance >15 KN). All tests have been carried out at internal laboratories in Aliaxis Group.

Easy to open

Watertight

Internal support for electrical boxes

Condensation discharge

Anti-slip cover  
Customizable on request

Stacking - Pre cut bottom

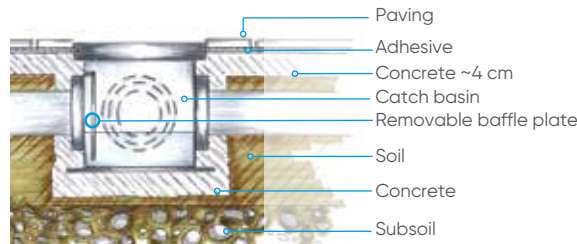


**PP Removable baffle plate**

**Plaque-siphon pour regard en PP - Placa para sifón PP**

Dim (mm)	Reference Grey Ral 7035			Note
200x200	Y112004	10	1200	
300x300	Y113004	8	768	
400x400	Y114004	5	120	
550x550	Y115504	1	90	

Material: Polypropylene  
Use: to trap inlet pipe



Installation: the REDI catch basin is provided with special slots for the baffle to be fitted in.



**PP Trap bell for catch basin**

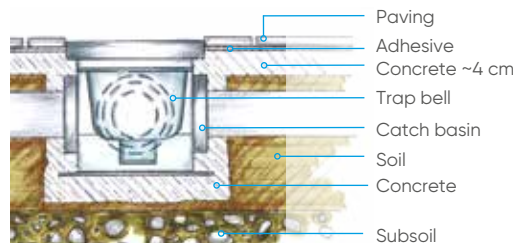
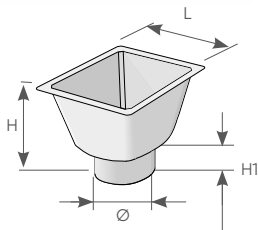
**Cloche siphon de siphon de sol en PP**

**Campana sifónica para arqueta registro PP**

Dim (mm)	Reference Grey Ral 7035			H	H1	L	Ø	Note
300x300	E273304*	1	156	210	58	251	125	
400x400	E274404*	1	54	300	75	350	160	

Material: Polypropylene  
Use: To trap inspection catch basin.

\*upon request



Installation: the trap bell should be placed into the bottomless catch pit on the specially provided site stops.



**PP Trap bell for catch basin**

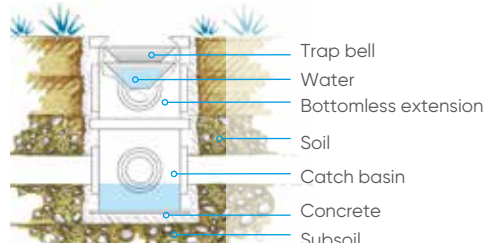
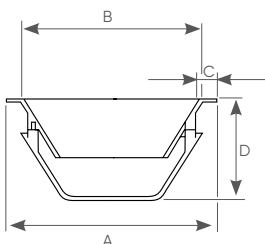
**Cloche siphon de siphon de sol en PP**

**Campana sifónica para alargadera de arqueta**

Dim (mm)	Reference Grey Ral 7035			A (mm)	B (mm)	C (mm)	D (mm)	Note
300 x 300	E275504*	1	180	249	238	5	160	
400 x 400	E276604	4	72	348	308	15	210	

Material: Polypropylene  
Use: to trap bottomless extension

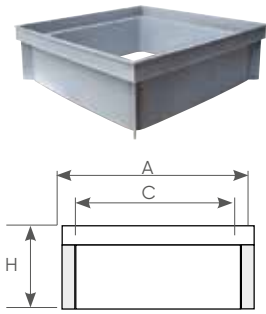
\*upon request



Installation: the trap bell should be placed into the bottomless catch pit on the specially provided site stops.

### PP Short riser

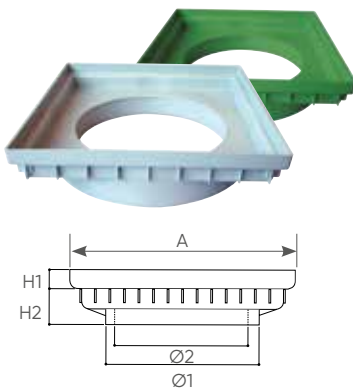
#### Rehausse en PP (court) - Alargadera modular PP



Dim (mm)	Ref. Grey Ral 7035			H (mm)	A (mm)	C (mm)	Note
200x200	Y332204	1	240	100	189	161	
300x300	Y333204	1	168	100	286	253	
400x400	Y334204	1	90	100	384	355	
550x550	Y335204	1	16	315	532	500	

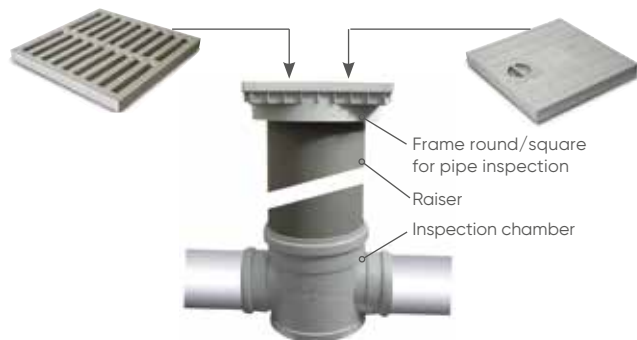
### PP frame for pipe inspection

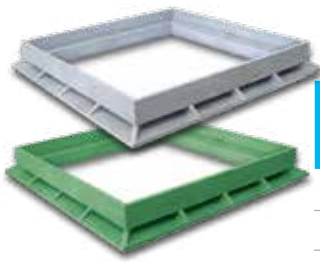
#### Cadre Carré/Rond en PP - Cerco para tubo de extensión PVC



Dim A (mm)	Ref.			Ø1 (mm)	Ø2 (mm)	H1 (mm)	H2 (mm)	Colour	Note
450x450	ETTQ304	1	40	400	315	50	65	Grey RAL 7035	Compatible with pedestrian and light traffic 450x450 covers and grills
450x450	ETTQ30V*	1	40	400	315	50	65	Green RAL 6005	Compatible with pedestrian and light traffic 450x450 covers and grills

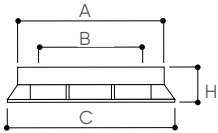
\*upon request





## Frame Cadre - Cerco

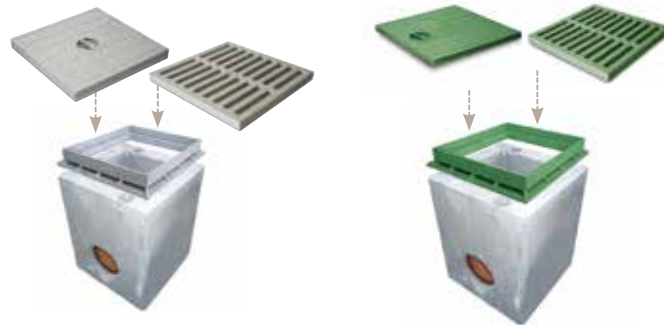
⌀ Dim (mm)	Reference Grey Ral 7035	Reference Green Ral 6005			A (mm)	B (mm)	C (mm)	H (mm)	Material
200x200	E202004	E20200V	10	400	200	160	209	40	PVC
300x300	E203004	E20300V	5	165	300	250	328	42	PVC
350x350	E203504	E20350V	5	120	350	300	352	42	PVC
400x400	E204004	E20400V	2	64	400	350	428	45	PVC
450x450	E204504	E20450V	2	64	450	400	448	45	PVC
550x550*	E205604	E20560V	1	40	550	500	583	55	*PP



Material: PVC

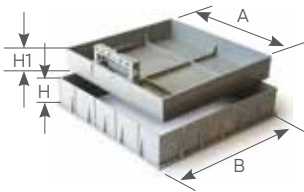
Use: to house covers, grates and formworks for closing concrete or masonry catch basins or for other special applications.

Installation: thanks to its special side slits, the REDI frame perfectly fits concrete.



## PVC Formwork with handle

### Tampon de coffrage avec poignée et cadre en PVC Tapa rellenable con asa y cerco PVC



⌀ Dim (mm)	Reference Grey Ral 7035			A (mm)	H (mm)	B (mm)	H1 internal	Dim. Concrete catch basin	kg
350x350	ECM3504	1	78	350x350	70	370x370	50	300x300	2,5
450x450	ECM4504	1	32	450x450	70	470x470	50	400x400	3,5
550x550	ECM5004	1	26	550x550	70	570x570	50	500x500	4,8



Material: PVC

Use: as an alternative to the normal cover for catch basin when the surface appearance has to be kept unaltered.

The cover's cavity has to be filled with the proper material (as shown in the pictures).

Once installed, it can be easily lifted off by the handle.

Application field: light duty traffic areas such as garage fronts, private driveways, parkings pedestrian areas.

Durability: PVC specifications and structure design give this product a great resistance against atmospheric agents and ageing, and ensure dimensional stability in time.

Benefits:

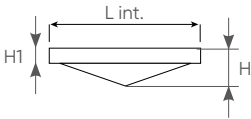
- Handle tested to resist (certified traction resistance of 220 kg)\*
- Handle easily extractable (handle fixed with screws on the bottom of the formwork)
- Manageable and practical
- Handle fixed with screws on the bottom of the formwork so that it can be easily dismantled for cleaning
- Iron mesh can be placed inside to improve load resistance
- Designed to support heavy loads
- Thicker section to avoid lateral bendings
- Resistant to acids and atmospheric agents
- Certified load resistance (more than 203 kn = 20,3t)\*

\* Test have been carried out by Istituto Giordano. Data and specifications are available on request



### PP Formwork

### Tampon de coffrage en PP - Tapa rellenable PP



Dim (mm)	Reference Grey Ral 7035			L. int (mm)	H (mm)	H1 (mm)	Note
200 x 200	E292204	10	400	182	29	16	
300 x 300	E293304	5	165	278	41	19	
400 x 400	E294404	2	64	375	42	20	

Material: Polypropylene

Use: as an alternative cover for catch basin when the surface appearance has to be kept unaltered. The cover's cavity has to be filled with the proper material (as shown in the pictures).

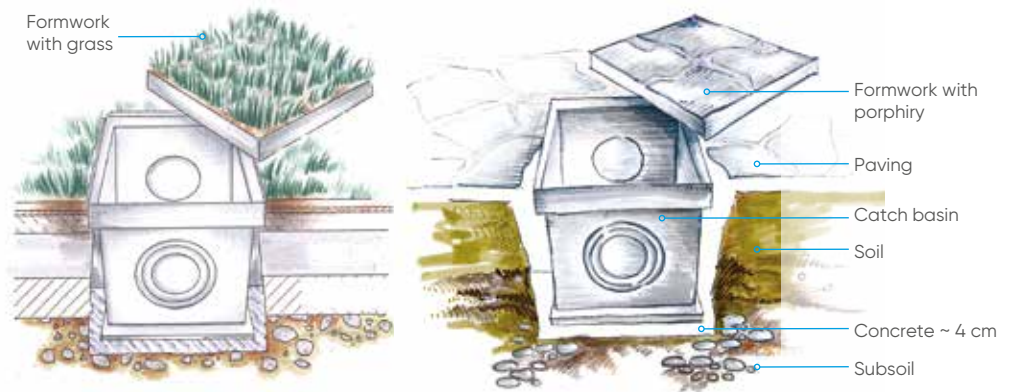
Installation: the recessed cover perfectly fits the REDI catch basin. Always use a frame when closing concrete catch basins or in case of special applications.

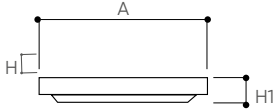
Once installed, it can be easily lifted off by the central pin.

Application field: pedestrian area, bicycle paths.

Durability: as Polypropylene is a plastic corrosion proof material, the REDI recessed cover is the best alternative to metal products subject to deformation due to atmospheric agents and ageing.

#### Filling suggestions





### Pedestrian PVC grill (A15 load class)

#### Grille piétonnière en PVC - Rejilla peatonal PVC

Dim (mm)	Reference Grey Ral 7035			A (mm)	H (mm)	H1 (mm)			Note
200x200	E722004	10	950	187	20	25	25	1,7	
300x300	E723004	5	300	284	20	30	18	2,8	
400x400	E724004	2	156	383	25	35	19	3,8	
450x450	E724504*	2	64	432	25	40	22	4,1	
550x550	E725504	1	50	534	34	45	38	4,6	

Material: PVC

Colour: GREY RAL 7035

\*upon request

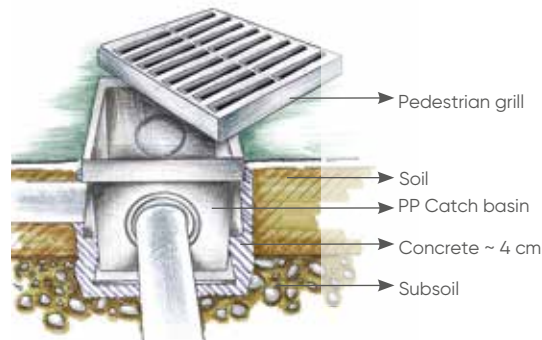
Use: to cover rain or waste water drainage catch basin.

Installation: the grate perfectly fits the REDI catch pit.

Always use a frame when covering concrete catch basin or in case of special applications.

Application field: pedestrian, cycle or motorcycle areas.

Durability: PVC specifications and structure design give this product a great resistance against atmospheric agents and ageing and ensure dimensional stability in time.



### Heavy duty PVC grill (A15 load class)

#### Grille renforcée en PVC

#### Rejilla reforzada de PVC



Dim (mm)	Reference Grey Ral 7035			A (mm)	H (mm)	H1 (mm)			Note
200x200	E256704	10	400	187	20	35	49	1,7	
300x300	E256904	5	165	284	20	45	53	2,8	
350x350	E257004	5	120	331	22	45	84	3,3	
400x400	E257404	2	64	383	25	55	32	3,8	
450x450	E257504	2	64	432	25	55	63	4,1	
550x550	E257604	1	38	534	34	65	88	4,6	

Tested by ISTITUTO GIORDANO

Material: PVC

Colour: GREY RAL 7035

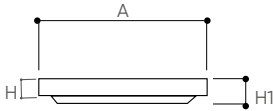
Use: to cover for rain or waste water drainage catch basin.

Installation: the grate perfectly fits the REDI catch pit.

Application field: light duty traffic areas, such as garage fronts, private driveways, pedestrian areas.

Durability: PVC specifications and structure design give this product a great resistance against atmospheric agents and ageing and ensure dimensional stability in time.

**Pedestrian PVC cover (A15 load class)**  
**Tampon piétonnier en PVC - Tapa peatonal PVC**



∅ Dim (mm)	Reference Grey Ral 7035			A (mm)	H (mm)	H (mm)		Note
200x200	E682004	10	950	187	20	25	14	
300x300	E683004	5	300	284	20	30	20	
400x400	E684004	2	156	383	25	35	25	
450x450	E684504	2	64	432	25	40	29	
550x550	E685504	1	50	539	34	45	26	

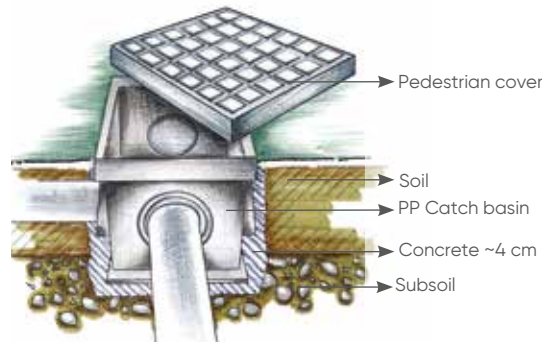
Material: PVC

Colour : GREY RAL 7035

Use: Catch pit covering.

Installation: the cover perfectly fits the REDI catch pit.

Application field: pedestrian, cycle or motorcycle areas. Durability: PVC specifications and structure design give this product a great resistance against atmospheric agents and ageing and ensure dimensional stability in time.



**Heavy duty PVC cover (A15 load class)**  
**Tampon renforcée en PVC**  
**Tapa reforzada de PVC**



∅ Dim (mm)	Reference Grey Ral 7035			A (mm)	H (mm)	H1 (mm)		Note
200x200	E255704	10	400	187	20	35	57	
300x300	E255904	5	165	284	20	45	35	
350x350	E256004	5	120	331	22	45	94	
400x400	E256404	2	64	383	25	55	31	
450x450	E256504	2	64	432	25	55	111	
550x550	E256604	1	38	534	34	65	56	

Material: PVC

Colour : GREY RAL 7035

Use: Catch pit covering.

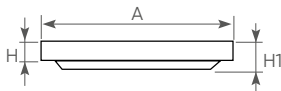
Installation: the cover perfectly fits the REDI catch pit.

Application field: light duty traffic areas, such as garage fronts, private driveways, pedestrian areas.

Durability: PVC specifications and structure design give this product a great resistance against atmospheric agents and ageing and ensure dimensional stability in time.

### Pedestrian green PVC grill (A15 load class)

#### Grille piétonnière en PVC - Rejilla peatonal PVC

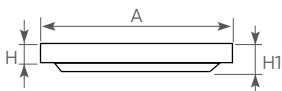


Dim (mm)	Reference Green Ral 6005			A (mm)	H (mm)	H1 (mm)			Note
200x200	E72200V	10	950	187	20	25	1,7	23	
300x300	E72300V	5	300	284	20	30	2,8	18	
350x350**	E25700V*	5	120	331	22	45	3,3	85	**Light traffic
400x400	E72400V	2	156	383	25	35	3,8	19	
450x450	E72450V*	2	64	432	25	40	4,1	22	
550x550	E72550V*	1	50	534	34	45	4,6	38	

\*upon request

### Pedestrian green PVC cover (A15 load class)

#### Tampon piétonnier en PVC - Tapa peatonal PVC

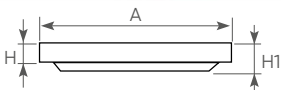


Dim (mm)	Reference Green Ral 6005			A (mm)	H (mm)	H1 (mm)		Note
200x200	E68200V	5	950	187	20	25	32	
300x300	E68300V	5	300	284	20	30	20	
350x350**	E25600V	2	120	284	22	30	85	**Light traffic
400x400	E68400V	2	156	383	25	35	26	
450x450	E68450V	1	64	432	25	40	27	
550x550	E68550V	1	50	534	34	45	21	

### Pedestrian PVC cover with handle (A15 load class)

#### Tampon piétonnier avec poignée en PVC

#### Tapa peatonal con asa PVC

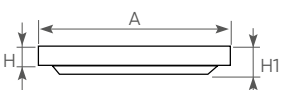


Dim (mm)	Reference Grey Ral 7035			A (mm)	H (mm)	H1 (mm)	H2 (mm)		Note
300x300	E255804	5	300	284	20	30	20	20	
400x400	E256304	2	156	383	25	35	26	26	
550x550	E257804	1	56	534	34	45	21	21	

### Pedestrian green PVC cover with handle (A15 load class)

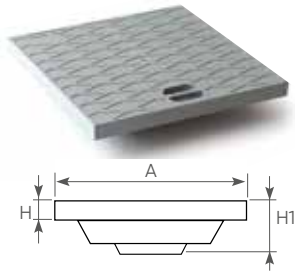
#### Tampon piétonnier avec poignée en PVC

#### Tapa peatonal con asa PVC



Dim (mm)	Reference Green Ral 6005			A (mm)	H (mm)	H1 (mm)		Note
300x300	E25580V	5	300	284	20	30	20	
400x400	E25630V	2	156	383	25	35	26	
550x550	E25780V	1	56	534	34	45	21	





**Light traffic PVC cover (B125 load class)**

**Tampon renforcé classe en PVC**

**Tapa reforzada de PVC**

Dim (mm)	Reference Grey Ral 7035			A (mm)	H (mm)	H1 (mm)	KN	Note
300x300	ECR3004	2	120	284	20	67	>125	
400x400	ECR4004	2	64	383	25	62	>125	

Tested by ISTITUTO GIORDANO

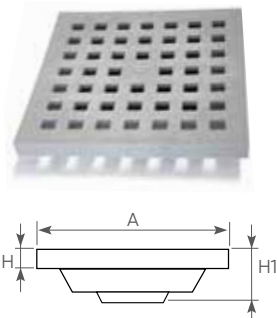
**LIGHT DUTY TRAFFIC**  
Load Class B125 in according with regulation EN 124



**Light traffic PVC grill (B125 load class)**

**Grille renforcée en PVC**

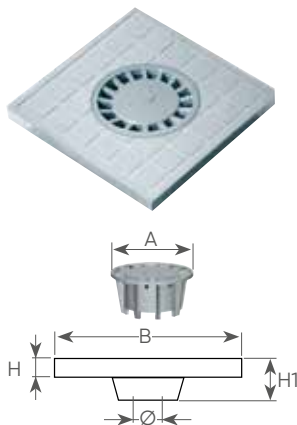
**Rejilla reforzada de PVC**



Dim (mm)	Reference Grey Ral 7035			A (mm)	H (mm)	H1 (mm)	KN	L/S	Note
300x300	EGR3004	2	120	284	20	67	>125	1,4	
400x400	EGR4004	2	64	383	25	62	>125	2,9	

Tested by ISTITUTO GIORDANO

**LIGHT DUTY TRAFFIC**  
Load Class B125 in according with regulation EN 124



**Pedestrian PVC cover with siphon**

**Tampon piétonnier avec siphon en PVC**

**Tapa peatonal con sifón PVC**

Dim (mm)	Reference Grey Ral 7035			A (mm)	B (mm)	H (mm)	H1 (mm)	Ø (mm)	L/S	Note
300x300	ECN3004*	2	120	130	284	20	60	50	0,9	
400x400	ECN4004	1	32	180	383	25	83	75	1,4	

Use: to close inspection catch basins. Provided with a trap for rain or waste water drainage.

\*upon request



### PVC Valve box for irrigation

#### Bouche d'arrosage en PVC - Arqueta de riego con válvula PVC

∅ Dim (mm)	H (mm)	∅	Reference			Note
200x200	147	3/4"	W949400	1	100	

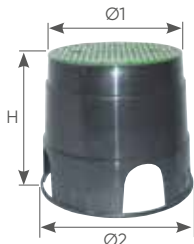
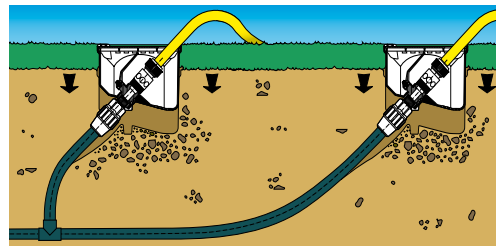
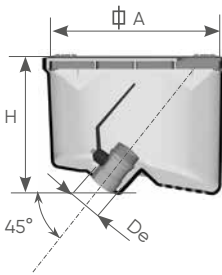
Material: PVC

Use: to connect irrigation hoses in gardens and pedestrian areas.

Features:

- easy-to-use built-in brass valve
- high resistance to mechanical stress
- high UV resistance
- hinged cover
- the box can be closed even if the hose is connected.

Note: it may be laid underground or fixed with concrete.



### PP Bottomless valve box (round version)

#### Regard irrigation rond sans fond en PP

#### Arqueta de riego redonda PP

∅1 (mm)	∅2 (mm)	H (mm)	Reference			Note
160	212	230	POZ160V	1	320	
240	300	250	POZ240V	1	144	



### PP Bottomless valve box (square version)

#### Regard irrigation rectangulaire sans fond en PP

#### Arqueta de riego rectangular PP

AxB (mm)	CxD (mm)	H (mm)	Reference			Note
380x510	260x385	300	POZ260V	1	32	
500x640	350x500	300	POZ500V	1	40	

Material: Polypropylene

Colour: Green cover and Black body

Use: this valve box allows irrigation systems connection and inspection in pedestrian areas.

Features:

- cover with screw fixing
- pierced walls for pipes to pass through.

Note: this valve box is self supporting. It may be laid underground or fixed with concrete.

