

PVC RWD with ring sealed connection

Rain Water Discharge pipe with ring sealed connection is used in (practically) pressure-free applications when glued joints are not possible due to diameter being too large or the temperatures too low in damp conditions. The pipe is produced in a co-extrusion process with an inner and outer layer of new PVC and an intermediate layer of (expanded or non-expanded) recycled PVC.

The pipe fully satisfies the relevant standards for solid-wall pipes of the same class, but has the advantage of a lower weight. Processing is easier.

APPLICATION

Rain water discharge pipes with ring sealed connection can be used both above ground and underground in practically pressure-free rain water discharge or CO₂ installations. Rain water discharge pipes with ring sealed connection cannot be used as a suction line.

CHARACTERISTICS

- ✓ Available in 3 different classes (SN 2, 4 and 8)
- ✓ Flexible ring sealed connections so that elongation and shrinkage in longitudinal direction is absorbed

SN classification (strength class) of rain water discharge pipes

Diameter (mm)	Min. wall thickness* (mm)		
	SN2 without KOMO certification	SN4 with KOMO certification	SN8 with KOMO certification
110	2	3,2	-
125	2,5	3,2	3,7
160	3	4	4,7
200	3,8	4,9	5,9
250	4,9	6,2	7,3
315	6,2	7,7	9,2
400	8	9,8	12,2
500	9,8	12,3	14,6

* The wall thicknesses indicated are minimum wall thicknesses, real wall thicknesses can be thicker to achieve the necessary wall load-bearing capacity.

TECHNICAL DATA

Diameter	: 110 - 630 mm
Pressure class	: SN 2 / formerly class 51 (above ground); without KOMO certification : SN 4 / formerly class 41 (underground); with KOMO certification : SN 8 / formerly class 34 (underground use with traffic loads); with KOMO certification
Maximum pressure	: (practically) pressure-free
Length	: standard pipe length 5 meter, optionally 6 meter
Connection	: with moulded sleeve
Colour	: standard RAL 7037, alternative color (brown) on request
Material	: EPDM rubber (seal)

DEFORMING PRESSURE / SN CLASS

Stiffness Nominal (SN) class defines the ring stiffness of a polymer pipe. The stiffness unit is kN/m². The pressure required to deform a PVC class 34 pipe is 8kN/m² (SN8). For a class 41 PVC pipe 4 kN/m² (SN4) is required for deformation.

PVC RWD with glued joint



Rain Water Discharge pipes with glued joint are used in (practically) pressure-free applications when pull-resistant joints are required. The pipe is produced in a co-extrusion process with an inner and outer layer of new PVC and an intermediate layer of (expanded or non-expanded) recycled PVC.

The pipe fully satisfies the relevant standards for solid-wall pipes of the same class, but has the advantage of a lower weight. Processing is easier.

APPLICATION

Pressure-free applications: Transport of rainwater (surface and sub-surface)

CHARACTERISTICS

- ✓ Available in 3 different classes (SN 2, 4 and 8)
- ✓ Light weight and therefore easy to process
- ✓ With moulded adhesive insert or plain (chamfered) pipe ends
- ✓ Special cut lengths for the sizes 110 - 200 mm: The lengths 3.05 / 3.06 are available for 3.2 meter roof width, and 3.82 / 3.86 for 4 meter roof width
- ✓ Special cut lengths for the sizes 125 and 160 mm are available for standpipes: 5.5 to 7 meter
- ✓ For further information, see: PVC pressure pipes

SN classification (strength class) of rain water discharge pipes

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	SN2 without KOMO certification	SN2 with KOMO certification	SN8 with KOMO certification
110	2	3,2	-
125	2,5	3,2	3,7
160	3	4	4,7
200	3,8	4,9	5,9
250	4,9	6,2	7,3
315	6,2	7,7	9,2
400	8	9,8	12,2
500	9,8	12,3	14,6

* The wall thicknesses indicated are minimum wall thicknesses, real wall thicknesses can be thicker to achieve the necessary wall load-bearing capacity.

TECHNICAL DATA

Dimensions	: Ø 32 - 630 mm
Pressure class	: SN 2 / formerly class 51 (surface); non KOMO
	: SN 4 / formerly class 41 (sub-surface); KOMO
	: SN 8 / formerly class 34 (sub surface with traffic load); KOMO
Max. pressure	: none
Length	: factory default 5 meter, optional 6 meter
Connection	: glue socket or RWD appendages
Colour	: default RAL 7037, optional white

DEFORMING PRESSURE / SN CLASS

Stiffness Nominal (SN) class defines the ring stiffness of a polymer pipe. The stiffness unit is kN/m^2 . The pressure required to deform a PVC class 34 pipe is 8kN/m^2 (SN8). For a class 41 PVC pipe 4kN/m^2 (SN4) is required for deformation.