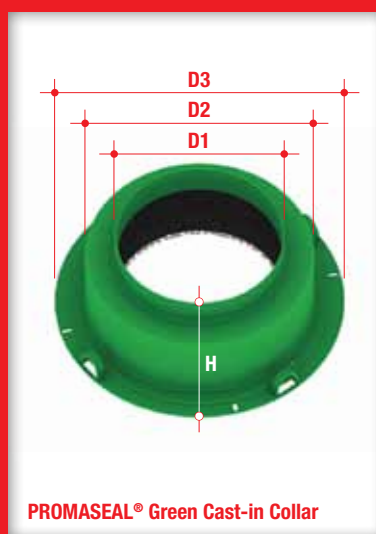
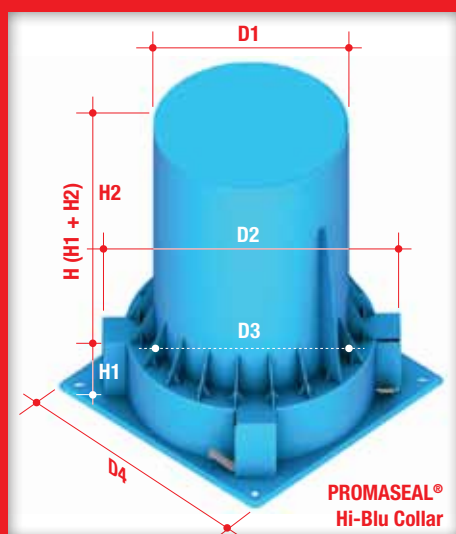
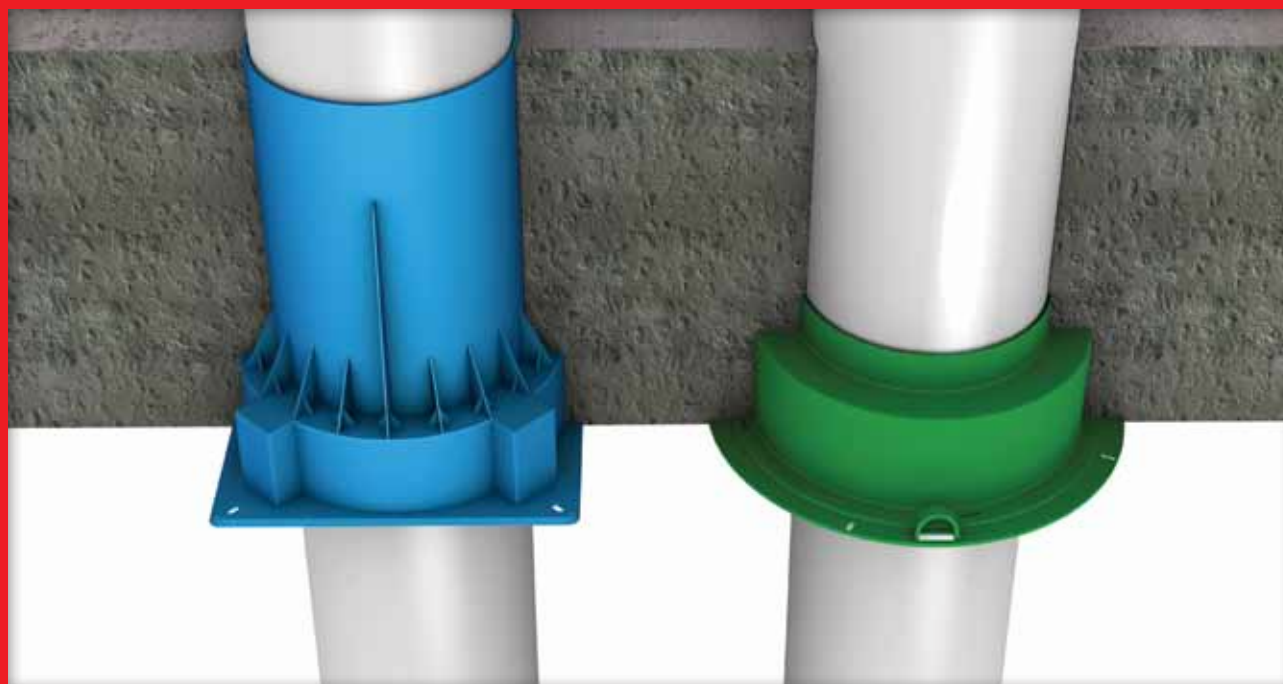


Promat



PROMASEAL® Hi-Blu Collar / PROMASEAL® Green Cast-in Collar For Plastic Pipe Penetration Seals Through Floors





Up to -/240/240 fire resistance in accordance with the requirements of AS 1530: Part 4: 2005 and AS 4072: Part 1: 2005; insulation criteria will vary depending on type and size of plastic pipes AND the type of penetrating elements

- ❶ PROMASEAL® Hi-Blu Collar
- ❷ PROMASEAL® Green Cast-in Collar
- ❸ Various plastic piping, e.g. HDPE, uPVC
- ❹ Fire resistant concrete/masonry floors

Dimensions of PROMASEAL® Hi-Blu Collar

Code no.			Hi-Blu 65	Hi-Blu 100	Hi-Blu 150
Body	H	mm	250	250	250
	H1	mm	45	57	57
	H2	mm	205	193	193
	D1	mm	95	140	194
	D2	mm	132	178	232
	D3	mm	97	142	197
Flange	D4	mm	154	198	253

Dimensions of PROMASEAL® Green Cast-in Collar

Code no.			Green 40	Green 50	Green 65	Green 80	Green 100	
uPVC pipe nominal diameter			mm	40	50	65	80	100
Body	H	mm	49 + 30*	49 + 30*	49 + 20*	60 + 20*	60 + 20*	
	D1	mm	43	56	69	83	110	
	D2	mm	115	115	115	163	163	
Flange	D3	mm	160	160	160	210	210	

* Additional height of upright pipe grip

NOTE: Both PROMASEAL® Hi-Blu Collar and PROMASEAL® Green Cast-in Collar are NOT to be used in floor wastes



Photos above

Installation procedures of floor waste stack penetration seals with PROMASEAL® Hi-Blu Collars at the residential units of Mawson Lakes in South Australia. This reference uses permanent steel deck formwork, please contact Promat for details.

PROMASEAL® Hi-Blu Collar

PROMASEAL® Hi-Blu Collar is designed for fixing to formwork prior to pouring of concrete. The collar has been tested up to 240 minute fire resistance with various types of plastic pipes through concrete/masonry floors (with an equal or greater fire resistance level) in accordance with the criteria of AS 1530: Part 4: 2005 and AS 4072: Part 1: 2005, with insulation up to 180 minutes on PPR pipes and up to 240 minutes on both HDPE and uPVC pipes.

PROMASEAL® Hi-Blu Collar is available in THREE (3) sizes:

- 1) Small, for pipes up to a nominal 65mm;
- 2) Medium, for pipes between the sizes of 65mm and 100mm; and
- 3) Large, for pipes of a nominal 150mm.

Please consult Promat before installing the collar to ensure types and sizes of intended plastic pipes are compatible with the particular type and size of collar.

Cast-in Installation To Concrete/Masonry Floors

PROMASEAL® Hi-Blu Collar accommodates the plastic pipe fitting within the soffit of the floor and thus helps to save space.

See above photographs. Place the collar on formwork. Fix the collar into position through notches at the flange using 20mm long 3mm flat head clouts/nails. Do not skew the nails.

After formwork is removed, knock the short section of the pipe (used for casting before) out of the collar and replace with the complete pipe section.

It should be noted that if the pipe must be pushed in from the top side, the rubber seal will be forced downwards. Lift the pipe slightly to ensure that the rubber seal projects upwards. All annular gaps between the collar and the pipe must be backfilled with concrete, PROMASEAL® Mortar or other commercial grade mortar mix.

PROMASEAL® Green Cast-in Collar

PROMASEAL® Green Cast-in Collar is designed for fixing to formwork prior to pouring of the floor concrete. The collar has been tested up to 240 minute fire resistance with various types of plastic pipes through concrete/masonry floors (with an equal or greater fire resistance

level) in accordance with AS 1530: Part 4: 2005 and AS 4072: Part 1: 2005, with insulation up to 180 minutes on uPVC pipes and up to 240 minutes on HDPE pipes.

Sizes of PROMASEAL® Green Cast-in Collar range from 43mm to 110mm outside diameter for up to 180 minute fire resistance performance with HDPE and uPVC pipes.

PROMASEAL® Green Cast-in Collar will close uPVC pipes and the fittings in the event of fire.

Please note, the BCA 2008 no longer allows the waiving of insulation criteria for plastic pipe penetration seals as a deemed to satisfy solution. Such exception is now treated as an alternative solution.

For floors using lost formwork or less than 120mm thick, please consult Promat for the application of PROMASEAL® Green Cast-in Collar.

Cast-in Installation To Concrete/Masonry Floors

PROMASEAL® Green Cast-in Collar accommodates the uPVC pipe fitting within the soffit of the floor and thus helps to save space.

Place the collar on formwork. Fix the collar into position through slots at the flange using 20mm long 3mm flat head clouts/nails. Do not skew the nails.

Insert a pipe section through the collar so that the end of the pipe sits flat on the formwork and ensure the top side of the pipe is higher than the finished floor depth. Ensure the pipe section must remain true, vertically in place, during the concrete pour and immediately afterwards.

After the formwork is stripped, knock the short section of the pipe (used for casting before) out of the collar and replace with the complete pipe section.

Both PROMASEAL® Hi-Blu and PROMASEAL® Green Cast-in Collars have been extensively tested on permanent formwork decks, e.g. "KingFlor". These are profiled steel decks with an uneven soffit that requires specific application requirements. Please consult Promat for details.

For latest information of the Promat Asia Pacific organisation, please refer to www.promat-ap.com.

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