

MBB Marketing & Branding Bulletin

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Comparison between DS8000 Series, PSX™20, and PSX 34 adhesives

Supply constraints in the materials markets has led to shortages of some adhesive systems. Currently raw materials to make DS8000 series, Weldfast™ ZC-275, PSX 20, and PSX 34 adhesives in North America are in tight supply. The purpose of this bulletin is to provide you with information about the steps FGS is taking to resolve this situation, which will include sourcing from FGS in Singapore (SEA) in addition to other changes in terms of packaging, appearance, and installation differences between epoxy adhesive systems and the recommended replacement.

Packaging: PSX 34 adhesive kits produced in SEA are packaged in boxes with the Part A, Part B, instructions, and a spatula. They typically do not contain brushes, vinyl gloves, or sandpaper common to adhesive kits produced in the USA. However, a complementary package with brush, vinyl gloves and sandpaper will be provided for your convenience.

PSX 34 produced in SEA will only be offered in one size, 6 ounces.

Appearance: PSX 34 produced in SEA is black when mixed. The PSX 20 and PSX 34 produced in the USA are red. DS8000 series and ZC-275 are gray.

Installation and Handling: PSX 34 is significantly thicker than DS8000 series or PSX 20 adhesives which makes it ideal for use on clamshell secondary containment fittings and sump entry fittings in lieu of DS8069 adhesive kits with packets of milled glass fibers.

When using PSX 34 on taper joints, it can be brushed on when the adhesive is at least 80°F (27°C) but care should be taken to not apply the adhesive too thick. It is preferable to use a clean spatula to “wet” the bonding surfaces by applying, with some force, to generate a very thin, uniform coating of the adhesive to the bell and spigot ends. Afterwards, apply a thin layer (0.020” or 0.5 mm) of adhesive over the wetted surface on the spigot end. This will ensure that the excess adhesive is squeezed out the back of the joint rather than being pushed into the joint where it could cause a flow restriction.

The viscosity and kit size differences will also impact the number of joints that can be made with each kit. The following tables indicate the number of joints that can be made with each type of kit.

On taper joints, there will be very little (if any) make-up, common with DS8000 series adhesives, compared to the dry fit insertion.

PSX 34 works well on T.A.B. joints but it will have a different feel than DS8000 series adhesive as the joint is made up due to a gritty component in the PSX 34 adhesive that provides strength and aids joint lockup. The PSX 34 should be warmed to 80°F - 90°F (27°C – 32°C) before mixing. After mixing, it can be applied with a brush or a spatula.

Yield Consumption Comparison for PSX34

DS8000 Series compared to PSX™ 34 - Taper/Taper Joints per kit

Red Thread™ IIA, Red Thread HP16, Green Thread™ HP16, Dualoy™ 3000/L-A, Dualoy 3000/LCX-A, Bondstrand™ 3000-A, Bondstrand 3200-A

Kit Size	Pipe Size								
	2" (50 mm)	3" (80 mm)	4" (100 mm)	6" (150 mm)	8" (200 mm)	10" (250 mm)	12" (300 mm)	14" (350 mm)	16" (400 mm)
DS8014	21	15	8	5	3	2	1	-	-
DS8024	9	6	4	2	1	-	-	-	-
DS8069	-	-	-	-	4	3	2	2	1
PSX 34 6 oz	13	9	7	3	2	1	1	1/2	1/2

PSX 20 compared to PSX 34 - Taper/Taper Joints per kit

Red Thread IIA, Red Thread HP16, Green Thread HP16, Dualoy 3000/L-A, Dualoy 3000/LCX-A, Bondstrand 3000-A, Bondstrand 3200-A

Kit Size	Pipe Size								
	2" (50 mm)	3" (80 mm)	4" (100 mm)	6" (150 mm)	8" (200 mm)	10" (250 mm)	12" (300 mm)	14" (350 mm)	16" (400 mm)
PSX 20 3 oz	7	5	3 1/2	1 1/2	1	1/2	-	-	-
PSX 20 5 oz	12	8	6	2 1/2	1 1/2	1	1	1/2	1/2
PSX 20 8 oz	-	13	9	4	2 1/2	1 1/2	1	1	1/2
PSX 34 6 oz	13	9	7	3	2	1	1	1/2	1/2

Weldfast™ ZC-275 compared to PSX 34 - Socket Joints per kit

Centricast™ RB and Z-Core™

Kit Size	Pipe Size							
	2" (50 mm)	3" (80 mm)	4" (100 mm)	6" (150 mm)	8" (200 mm)	10" (250 mm)	12" (300 mm)	14" (350 mm)
ZC-275	8	5	3	2	1	1/2	1/2	1/3
PSX 34 6 oz	7	4	2 1/2	1 1/2	1	1/2	1/2	1/3

Notes:

- Yields above are for reference purpose only
- # of joints per kit representative of typical use but may vary from installer to installer and do not consider waste generated.

In order to expedite the process of order fulfillment and adhesive replacement with PSX 34, please review all open orders and contact your Regional Sales Manager or Customer Service immediately with your adjusted quantities (as per above). Customer Service will also provide you updated pricing information.

We continue to work diligently with our suppliers to alleviate these issues and will inform everyone as to improvements immediately however, we do not expect supplies to normalize for DS8000 Series, PSX 20 or Weldfast ZC-275 until approximately September 2021. If you have questions about the use of PSX 34 or installation issues, please do not hesitate to contact your Regional Sales Manager (RSM) immediately.