

# Joint Preparation for Delastic Preformed Compression Seals

REV 10/21

## Sawcutting the Joints:

1. Use proper blades when sawcutting the joints to ensure you're able to conform to the exact joint widths (+/- 1/16 inch) per the project's drawings and specifications. Joint walls shall be vertical at the correct depth with a consistent joint width.
2. Utilize below table for reference of joint width variance when the temperature is approximately 70 degrees Fahrenheit. If temperature is greater than +/- 20 degrees difference, please contact your DS Brown representative for further guidance.
3. When sawcutting your joints, use the below chart for reference on minimum joint depth. Please account an additional 1/4" depth for any beveled joints.
4. Please avoid any overcuts. Perform all spall repairs prior to installation of compression seal.

## Cleaning the Joints:

5. After sawcutting the joints to the required dimensions, utilize water blasting / sand blasting to clear the joint of any FOD, debris or any loose material. Sand blasting is optional, it's not required.
6. After water / sand blasting, utilize compressed air to clean out the joint reservoir. Do not allow any standing water inside of the joint. The joint walls shall be dry during installation.
7. Prior to installing any compression seal, perform a visual dust test by swiping your fingers along the joint walls to ensure you have a clean and dust-free joint. You should be able to see the exposed aggregate on the joint walls. If you have an excessive amount of residue on your fingers, we recommend performing the cleaning procedures again.

## Delastic® Preformed Pavement Seal Characteristics

Delastic® Seal Catalog No.	Seal Characteristics			Joint Installation Criteria		Total Joint Movement	
	Nominal Width (W)	Nominal Height (H)	Max. Movement <sup>1</sup>	Minimum Depth (B)	Typical Installed Width (A)**	Narrowest Opening <sup>2</sup>	Widest Opening <sup>3</sup>
E-437	<b>0.437</b> (11.11)	<b>0.937</b> (23.81)	<b>0.153</b> (3.88)	<b>1.000</b> (25.40)	<b>0.250</b> (6.35)	<b>0.219</b> (5.56)	<b>0.372</b> (9.45)
E-562	<b>0.562</b> (14.29)	<b>0.625</b> (15.88)	<b>0.188</b> (4.78)	<b>1.063</b> (27.00)	<b>0.3125</b> (7.94)	<b>0.290</b> (7.37)	<b>0.478</b> (12.14)
E-686	<b>0.687</b> (17.46)	<b>0.687</b> (17.46)	<b>0.259</b> (6.59)	<b>1.188</b> (30.18)	<b>0.375</b> (9.53)	<b>0.325</b> (8.26)	<b>0.584</b> (14.84)
E-816	<b>0.812</b> (20.64)	<b>0.830</b> (21.08)	<b>0.313</b> (7.95)	<b>1.438</b> (36.53)	<b>0.500</b> (12.70)	<b>0.378</b> (9.59)	<b>0.691</b> (17.54)
E-1006	<b>1.000</b> (25.40)	<b>1.000</b> (25.40)	<b>0.450</b> (11.43)	<b>1.625</b> (41.28)	<b>0.5625</b> (14.29)	<b>0.400</b> (10.16)	<b>0.850</b> (21.59)
E-1256	<b>1.250</b> (31.75)	<b>1.000</b> (25.40)	<b>0.563</b> (14.30)	<b>1.875</b> (47.63)	<b>0.750</b> (19.05)	<b>0.500</b> (12.69)	<b>1.063</b> (26.99)
V-1625	<b>1.625</b> (41.28)	<b>1.125</b> (28.58)	<b>0.631</b> (16.03)	<b>2.250</b> (57.15)	<b>0.875</b> (22.23)	<b>0.750</b> (19.05)	<b>1.381</b> (35.08)
E-2000	<b>2.000</b> (50.80)	<b>1.500</b> (38.10)	<b>0.950</b> (24.13)	<b>2.500</b> (63.50)	<b>1.125</b> (28.58)	<b>0.750</b> (19.05)	<b>1.700</b> (43.18)
E-2500	<b>2.500</b> (63.50)	<b>2.500</b> (63.50)	<b>1.125</b> (28.58)	<b>3.375</b> (85.73)	<b>1.375</b> (34.93)	<b>1.000</b> (25.40)	<b>2.125</b> (53.98)
E-3000	<b>3.000</b> (76.20)	<b>2.500</b> (63.50)	<b>1.550</b> (39.37)	<b>4.000</b> (101.60)	<b>1.750</b> (44.45)	<b>1.000</b> (25.40)	<b>2.550</b> (64.77)

**Above:** First number shown in bold represents inches, metric dimensions (mm) are shown in parentheses.

**Contractor Notes:** Widening the joint below the Typical Installed Width can lead to installation issues. The narrowest and widest opening are a range the joint can move in, not a range the seal should be installed in. The wearing of saw blades can decrease the typical installed joint width. Joint measurements should be taken throughout the widening process. Be aware that temperature changes can influence the joint width during the widening process. The minimum depth is required to allow enough room for the seal to move without bottoming out. This minimum depth does not account for a bevel. If a bevel is used the minimum depth needs to be increased by the overall height of the bevel.

If you encounter any issues or questions with the above information, please contact your DS Brown representative.

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