

V27, K4.2

Residential Horizontal Sidewall, Recessed Horizontal Sidewall and Specific Application, (Flat & Sloped Ceilings)

V2738 QUICK RESPONSE

DIMENSIONS AND ROOM SIZE

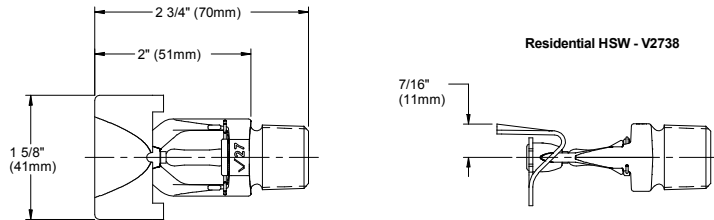
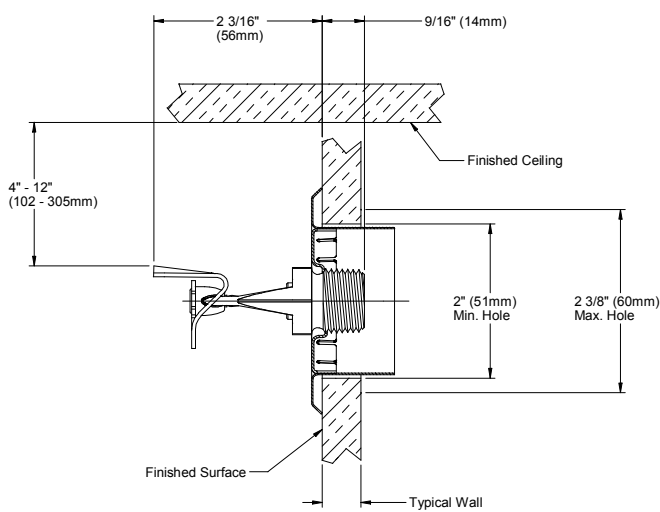
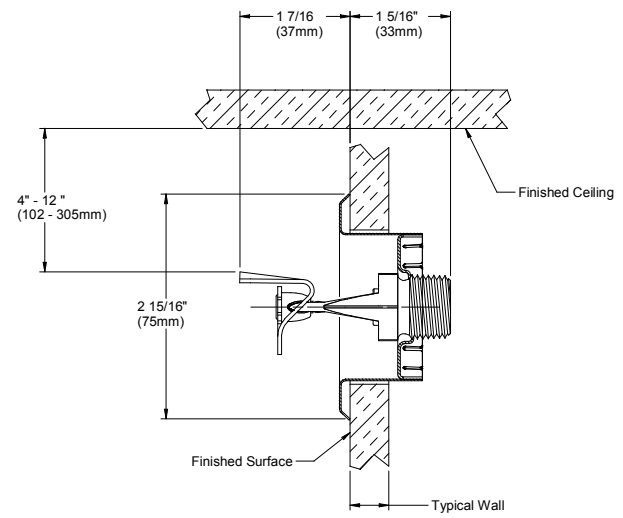


Figure 1 – 3/4" Adjustment Recessed – V2738 (drawing not to scale)



MAXIMUM EXTENSION



MAXIMUM RECESS

Victaulic V2738, K4.2[^] Sprinkler - Residential Horizontal Sidewall and Recessed Sidewall

Ceiling Type	Max. Coverage Area	Max. Spacing	Ordinary Temp Rating (155°F-68°C)		Intermediate Temp Rating (175°F-79°C)		Deflector to Ceiling 155°F 68°C	Minimum Spacing
	Ft. x Ft. m x m	Ft. m	Flow* GPM L/min	Pressure PSI kPa	Flow* GPM L/min	Pressure PSI kPa		
Flat Horizontal Ceilings Up to 2/12 (9.5°) Pitch	12 X 12 3.7 X 3.7	12 3.7	14 53.0	11.1 77.0	11.1 77.0	11.1 77.0	4-6" 100-150mm	8.0 2.4
	14 X 14 4.3 X 4.3	14 4.3	14 53.0	11.1 77.0	14 53.0	11.1 77.0	4-6" 100-150mm	8.0 2.4
	16 X 16 4.9 X 4.9	16 4.9	17 64.3	16.4 113.0	17 64.3	16.4 (13.0)	4-6" 100-150mm	8.0 2.4
	16 X 18 4.9 X 5.5	16 4.9	19 71.9	20.5 141.0	19 71.9	20.5 141.0	4-6" 100-150mm	"8.0 2.4
	16 X 20 4.9 X 6.1	16 4.9	23 87.1	30.0 207.0	23 87.1	30.0 207.0	4-6" 100-150mm	8.0 2.4
	12 X 12 3.7 X 3.7	12 3.7	15 64.3	12.8 113.0	15 64.3	12.8 113.0	6-12" 150-300mm	8.0 2.4
	14 X 14 4.3 X 4.3	14 4.3	17 64.3	16.4 113.0	17 64.3	16.4 113.0	6-12" 150-300mm	8.0 2.4
	16 X 16 4.9 X 4.9	16 4.9	19 71.9	20.5 141.0	19 71.9	20.5 141.0	6-12" 150-300mm	8.0 2.4
	16 X 18 4.9 X 5.5	16 4.9	24 90.8	32.6 225.0	24 90.8	32.6 225.0	6-12" 150-300mm	8.0 2.4
	16 X 20 4.9 X 6.1	16 4.9	28 106.0	44.4 306.0	28 106.0	44.4 306.0	6-12" 150-300mm	8.0 2.4

[^] For K-Factor when pressure is measured in Bar, multiply S.I. units by 10.0.

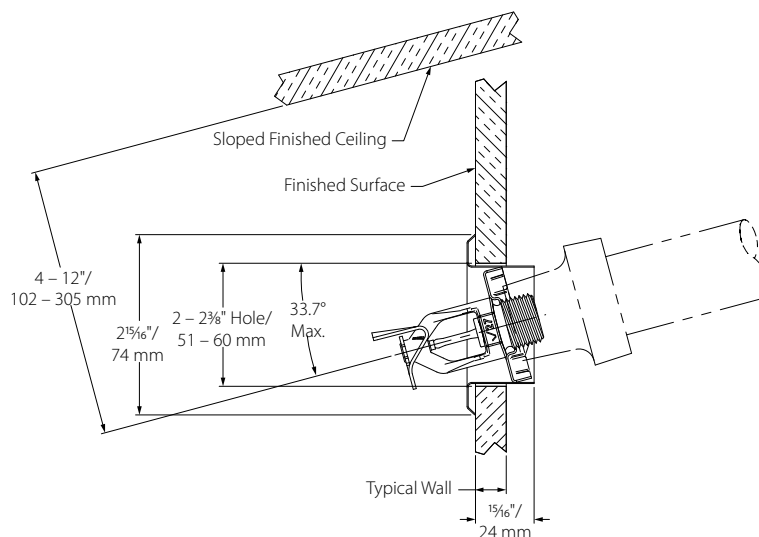
V27, K4.2

Residential Horizontal Sidewall, Recessed Horizontal Sidewall and Specific Application, (Flat & Sloped Ceilings)

V2738 QUICK RESPONSE

DIMENSIONS AND ROOM SIZE

Figure 2 – Sloped Ceiling Recessed HSW V2738 (drawing not to scale)



Victaulic V2738, K4.2[^] Sprinkler - Residential Horizontal Sidewall and Recessed Sidewall

Ceiling Type	Max. Coverage Area	Max. Spacing	Ordinary Temp Rating (155°F-68°C)		Intermediate Temp Rating (175°F-79°C)		Deflector to Ceiling 155°F 68°C	Minimum Spacing
			Flow* GPM L/min	Pressure PSI kPa	Flow* GPM L/min	Pressure PSI kPa		
Sloped Ceilings between 2/12 (9.5°) Pitch and 8/12 (33.7°) pitch	12 X 12 3.7 X 3.7	12 3.7	14 53.0	11.1 77.0	14 53.0	11.1 77.0	4-6" 100-150mm	8.0 2.4
	14 X 14 4.3 X 4.3	14 4.3	14 53.0	11.1 77.0	14 53.0	11.1 77.0	4-6" 100-150mm	8.0 2.4
	16 X 16 4.9 X 4.9	16 4.9	17 64.3	16.4 113.0	17 64.3	16.4 113.0	4-6" 100-150mm	8.0 2.4
	16 X 18 4.9 X 5.5	16 4.9	19 71.9	20.5 141.0	19 71.9	20.5 141.0	4-6" 100-150mm	8.0 2.4
	16 X 20 4.9 X 6.1	16 4.9	23 87.1	30.0 207.0	23 87.1	30.0 207.0	4-6" 100-150mm	8.0 2.4
	12 X 12 3.7 X 3.7	12 3.7	15 64.3	12.8 113.0	15 64.3	12.8 113.0	6-12" 150-300mm	8.0 2.4
	14 X 14 4.3 X 4.3	14 4.3	17 64.3	16.4 113.0	17 64.3	16.4 113.0	6-12" 150-300mm	8.0 2.4
	16 X 16 4.9 X 4.9	16 4.9	19 71.9	20.5 141.0	19 71.9	20.5 141.0	6-12" 150-300mm	8.0 2.4
	16 X 18 4.9 X 5.5	16 4.9	24 90.8	32.6 225.0	24 90.8	32.6 225.0	6-12" 150-300mm	8.0 2.4
	16 X 20 4.9 X 6.1	16 4.9	28 106.0	44.4 306.0	28 106.0	44.4 306.0	6-12" 150-300mm	8.0 2.4

[^] For K-Factor when pressure is measured in Bar, multiply S.I. units by 10.0.

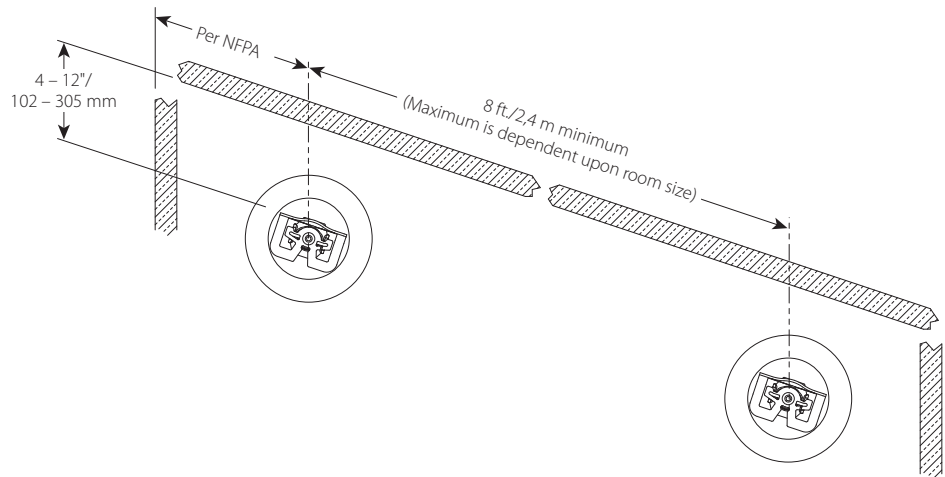
V27, K4.2

Residential Horizontal Sidewall, Recessed Horizontal Sidewall and Specific Application, (Flat & Sloped Ceilings)

V2738 QUICK RESPONSE

DIMENSIONS AND ROOM SIZE

Figure 3 – Sprinklers installed to spray across the ceiling (*Exaggerated for clarity*)



Victaulic V2738, K4.2[^] Sprinkler - Residential Horizontal Sidewall and Recessed Sidewall

Ceiling Type	Max. Coverage Area Ft. x Ft. m x m	Max. Spacing Ft. m	Ordinary Temp Rating (155°F-68°C)		Intermediate Temp Rating (175°F-79°C)		Deflector to Ceiling 155°F 68°C	Minimum Spacing Ft. m
			Flow* GPM L/min	Pressure PSI kPa	Flow* GPM L/min	Pressure PSI kPa		
Flat Horizontal Ceilings up to 4/12 (18.4°) pitch	12 X 12 3.7 X 3.7	12 3.7	17 64.3	16.4 113.0	17 64.3	16.4 113.0	4-6" 100-150mm	8.0 2.4
	14 X 14 4.3 X 4.3	14 4.3	17 64.3	16.4 113.0	17 64.3	16.4 113.0	4-6" 100-150mm	8.0 2.4
	16 X 16 4.9 X 4.9	16 4.9	17 64.3	16.4 113.0	17 64.3	16.4 113.0	4-6" 100-150mm	8.0 2.4
	12 X 12 3.7 X 3.7	12 3.7	20 75.7	22.7 156.0	20 75.7	22.7 156.0	6-12" 150-300mm	8.0 2.4
	14 X 14 4.3 X 4.3	14 4.3	20 75.7	22.7 156.0	20 75.7	22.7 156.0	6-12" 150-300mm	8.0 2.4
	16 X 16 4.9 X 4.9	16 4.9	20 75.7	22.7 156.0	20 75.7	22.7 156.0	6-12" 150-300mm	8.0 2.4

[^] For K-Factor when pressure is measured in Bar, multiply S.I. units by 10.0.

Victaulic V2738, K4.2[^] Sprinkler - Residential Horizontal Sidewall and Recessed Sidewall

Ceiling Type	Max. Coverage Area Ft. x Ft. m x m	Max. Spacing Ft. m	Ordinary Temp Rating (155°F-68°C)		Intermediate Temp Rating (175°F-79°C)		Deflector to Ceiling 155°F 68°C	Minimum Spacing Ft. m
			Flow* GPM L/min	Pressure PSI kPa	Flow* GPM L/min	Pressure PSI kPa		
Sloped Ceilings between 4/12 18.4° pitch and 8/12 (33.7°) Pitch #	12 X 12 3.7 X 3.7	12 3.7	17 64.3	16.4 113.0	17 64.3	16.4 113.0	4-6" 100-150mm	8.0 2.4
	14 X 14 4.3 X 4.3	14 4.3	17 64.3	16.4 113.0	17 64.3	16.4 113.0	4-6" 100-150mm	8.0 2.4
	16 X 16 4.9 X 4.9	16 4.9	17 64.3	16.4 113.0	17 64.3	16.4 113.0	4-6" 100-150mm	8.0 2.4
	12 X 12 3.7 X 3.7	12 3.7	20 75.7	22.7 156.0	20 75.7	22.7 156.0	6-12" 150-300mm	8.0 2.4
	14 X 14 4.3 X 4.3	14 4.3	20 75.7	22.7 156.0	20 75.7	22.7 156.0	6-12" 150-300mm	8.0 2.4
	16 X 16 4.9 X 4.9	16 4.9	20 75.7	22.7 156.0	20 75.7	22.7 156.0	6-12" 150-300mm	8.0 2.4

[^] For K-Factor when pressure is measured in Bar, multiply S.I. units by 10.0.

V27, K4.2

Residential Horizontal Sidewall, Recessed Horizontal Sidewall
and Specific Application, (Flat & Sloped Ceilings)

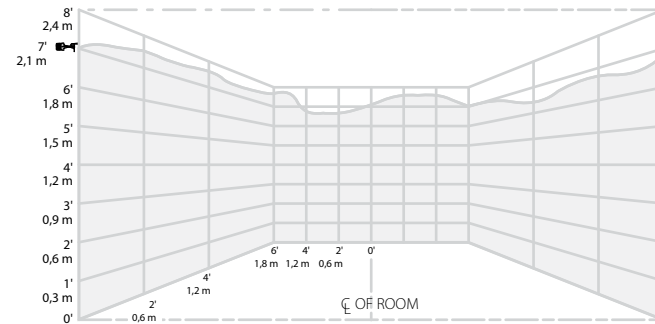
V2738 QUICK RESPONSE

NOMINAL WETTING PATTERNS

Model V2738

K4.2 Residential Horizontal Sidewall

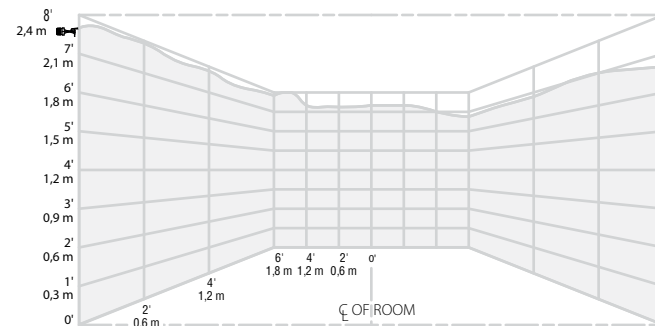
15 GPM/56.8 LPM – 12' x 12'/3.7 x 3.7 m coverage area – 12"/304.8 mm from ceiling



Model V2738

K4.2 Residential Horizontal Sidewall

14 GPM/53.0 LPM – 12' x 12'/3.7 x 3.7 m coverage area – 4"/101.6 mm from ceiling



See notes on page 11.

V27, K4.2

Residential Horizontal Sidewall, Recessed Horizontal Sidewall
and Specific Application, (Flat & Sloped Ceilings)

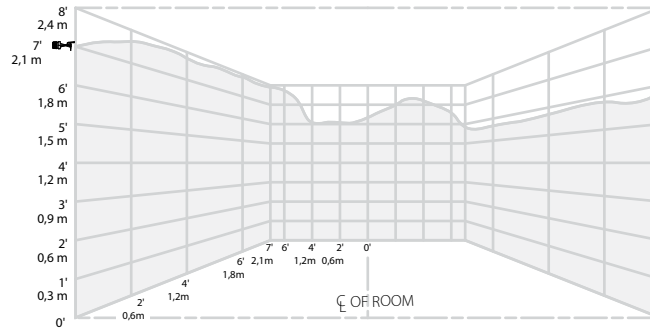
V2738 QUICK RESPONSE

NOMINAL WETTING PATTERNS

Model V2738

K4.2 Residential Horizontal Sidewall

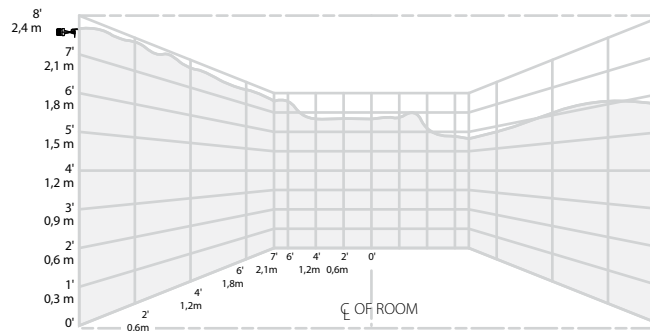
17 GPM/64.3 LPM – 14' x 14'/4.3 x 4.3 m coverage area – 12"/304.8 mm from ceiling



Model V2738

K4.2 Residential Horizontal Sidewall

14 GPM/53.0 LPM – 14' x 14'/4.3 x 4.3 m coverage area – 4"/101.6 mm from ceiling



See notes on page 11.

V27, K4.2

Residential Horizontal Sidewall, Recessed Horizontal Sidewall
and Specific Application, (Flat & Sloped Ceilings)

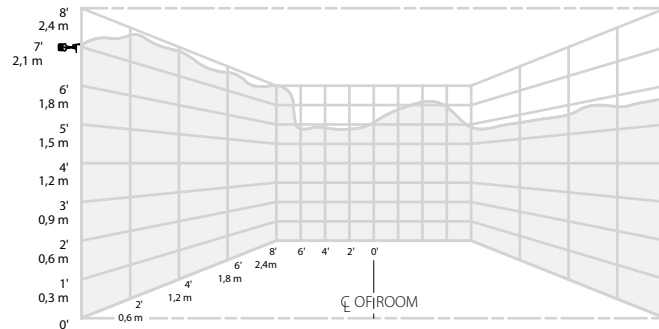
V2738 QUICK RESPONSE

NOMINAL WETTING PATTERNS

Model V2738

K4.2 Residential Horizontal Sidewall

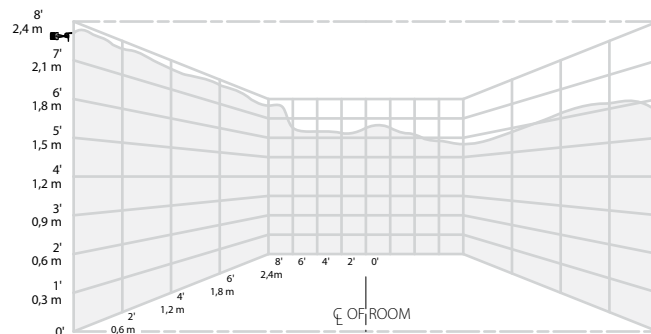
19 GPM/71.9LPM – 16' x 16'/4.9 x 4.9m coverage area – 12"/304.8mm from ceiling



Model V2738

K4.2 Residential Horizontal Sidewall

17 GPM/64.3LPM – 16' x 16'/4.9 x 4.9m coverage area – 4"/101.6mm from ceiling



See notes on page 11.

V27, K4.2

Residential Horizontal Sidewall, Recessed Horizontal Sidewall
and Specific Application, (Flat & Sloped Ceilings)

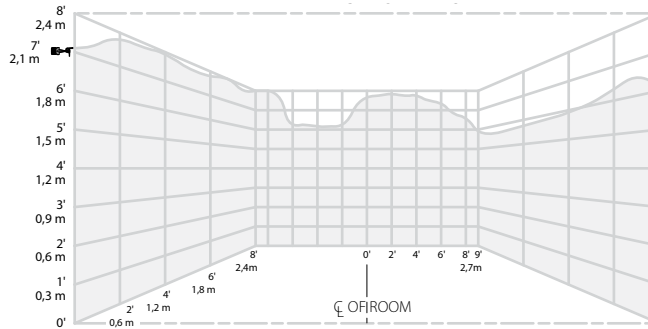
V2738 QUICK RESPONSE

NOMINAL WETTING PATTERNS

Model V2738

K4.2 Residential Horizontal Sidewall

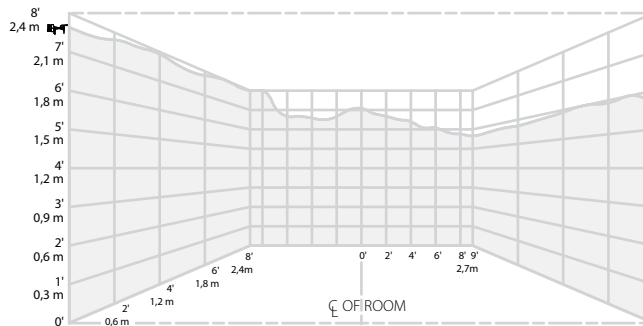
24GPM/90.8LPM – 16' x 18'4.9 x 5.5m coverage area – 12"/304.8mm from ceiling



Model V2738

K4.2 Residential Horizontal Sidewall

19GPM/71.9 LPM – 16' x 18'4.9 x 5.5m coverage area – 4"/101.6mm from ceiling



See notes on page 11.

V27, K4.2

Residential Horizontal Sidewall, Recessed Horizontal Sidewall and Specific Application, (Flat & Sloped Ceilings)

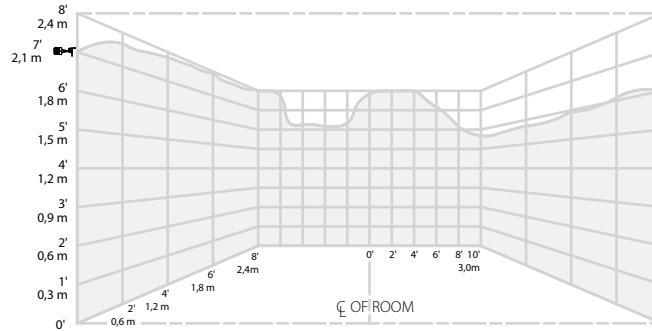
V2738 QUICK RESPONSE

NOMINAL WETTING PATTERNS

Model V2738

K4.2 Residential Horizontal Sidewall

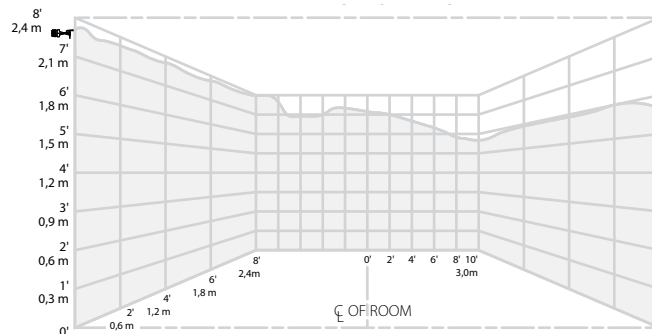
28 GPM/106.0 LPM – 16' x 20'4.9 x 6.1 m coverage area – 12"/304.8 mm from ceiling



Model V2738

K4.2 Residential Horizontal Sidewall

23 GPM/87.0 LPM – 16' x 20'4.9 x 6.1 m coverage area – 4"/101.6 mm from ceiling



NOTES:

- 1 Data shown is approximate and can vary due to differences in installation.
- 2 These graphs illustrate approximate wall-wetting patterns for these specific Victaulic FireLock Automatic Sprinklers. They are provided as information for guidance and should not be used as minimum sprinkler spacing rules for installation. Sprinkler location shall be in accordance with the obstruction rules for residential sprinklers in NFPA 13 (2002 or later revision). Failure to follow these guidelines could adversely affect the performance of the sprinkler and will void all Listings, Approvals and Warranties.
- 3 All patterns are symmetrical to waterway.

V27, K4.2

Residential Horizontal Sidewall, Recessed Horizontal Sidewall
and Specific Application, (Flat & Sloped Ceilings)

V2738 QUICK RESPONSE

WARRANTY

Refer to the Warranty section of the current Price List or contact Victaulic for details.

NOTE

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.

For complete contact information, visit www.victaulic.com

40.54 3089 REV C UPDATED 01/2012

VICTAULIC IS A REGISTERED TRADEMARK OF VICTAULIC COMPANY. © 2013 VICTAULIC COMPANY. ALL RIGHTS RESERVED.