



commerce.wi.gov

SAFETY AND BUILDINGS DIVISION
Plumbing Product Review
P.O. Box 2658
Madison, Wisconsin 53701-2658
TTY: Contact Through Relay
Jim Doyle, Governor
Richard J. Leinenkugel, Secretary

January 14, 2009

SPEARS MANUFACTURING CO.,INC.
KEVIN CROUCH
1 GATEWAY CT. SUITE A
BOLINGBROOK IL 60440

Re: Description: PIPE, FITTINGS AND CEMENT, ALTERNATE PLUMBING SYSTEM
Manufacturer: SPEARS MANUFACTURING CO.,INC.
Product Name: LXT PVC SCH 80 PIPE AND FITTINGS WITH HARVEL LXT ONE-STEP CEMENT
Model Number(s): PIPE: 1/2, 1, 1, 1-1/4, 1-1/2, 2, 3, 4, AND 6
FITTINGS: TEE (SlipxSlipxSlip), 1/2, 1, 1, 1-1/4, 1-1/2, 2, 3, 4, 6; REDUCING TEE (SlipxSlipxSlip) 1x1x1, 1-1/2x1-1/2x1, 2x2x1, 2x2x1-1/2, 3x3, 2, 4x4x3, 6x6x3, 6x6x4; 90 deg. ELL (SlipxSlip) 1/2, 1, 1, 1-1/4, 1-1/2, 2, 3, 4, 6; 45 deg. ELL (SlipxSlip) 1/2,1,1,1-1/4, 1-1/2, 2, 3, 4, 6; COUPLING (SlipxSlip), 1/2, 1, 1, 1-1/4, 1-1/2, 2, 3, 4, 6; REDUCER COUPLING (SlipxSlip), 1x1/2, 1x1, 1-1/4x1, 1-1/2x1, 1-1/2x1-1/4, 2x1, 2x1-1/2, 3x2, 4x2, 4x3, 6x4; FEMALE ADAPTER (SlipxFipt) 1/2, 1, 1, 1-1/4, 1-1/2, 2, 3, 4; MALE ADAPTER (MiptXSlip) 1/2, 1, 1, 1-1/4, 1-1/2, 2, 3, 4; REDUCER BUSHING (SpigxSlip) 1x1/2, 1x1/2, 1x1, 1-1/4x1/2, 1-1/2x1, 1-1/2x1-1/4, 2x1, 2x1-1/2, 3x2, 4x3, 6x4; REDUCER BUSHING FLUSH STYLE (SpigxFipt) 1/2x1/4, 1/2x3/8, 1x1/4, 1x1/2, 1x3/8, 1x1/2, 1x1; REDUCING FEMALE ADAPTER (SpigX SR Fipt) 1/2x1/4, 1x1/4, 1x1/4; CAP (Slip) 1/2, 1, 1, 1-1/4, 1-1/2, 2, 3, 4, 6; FLANGE (Slip) Van Stone Style 1/2, 1, 1, 1-1/4, 1-1/2, 2, 3, 4, 6; UNION (Slip x Slip) EPDM and VITON O-Ring Seal, 1/2, 1, 1, 1-1/4, 1-1/2, 2, 3, 4; TANK ADAPTERS EPDM GASKET (Soc x Fipt)1/2, 1, 1, 1-1/4, 1-1/2, 2, 3, 4; DIAPHRAGM VALVES 1/2, 1, 1, 1-1/4, 1-1/2, 2; SAFE BLOCK BALL VALVES (EPDM and VITON O-RINGS) 1/2, 1, 1, 1-1/4, 1-1/2, 2, 3, 4; CHECK VALVES(EPDM and VITON O-RINGS) 1/2, 1, 1, 1-1/4, 1-1/2, 2, 3, 4
CEMENT, HARVEL LXT ONE-STEP
Product File No: 20090007

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an alternate approval to s. Comm 84.30 (4) (e) 1 and 84.30 (4) (l) 2e based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of March 2014.

This alternate approval is contingent upon compliance with the following stipulation(s):

- This product may be installed for the following water use(s):
a. Water service pipe
b. Cold water distribution piping Above ground
c. Cold water distribution piping Underground
This product must be installed in accordance with the manufacturer's printed instructions, product approval, and plan approval. If there is a conflict between the manufacturer's instructions and the product approval and/or plan approval, the product approval and/or plan approval will take precedence.
Pipe sizing for this product must comply with Tables HLXT-1 or 2 entitled Maximum Allowable Load for Harvel LXT PVC, Sch. 80; (C=150). Table notes: WSFU means water supply fixture units, GPM means gallons per minute, FM means predominately flushometer type water closets or syphon jet urinals, FT means predominately flush tank type water closets or wash down urinals, and NP means not permitted.

SPEARS MANUFACTURING CO.,INC.

Page 3

January 14, 2009

20090007

| | | | | | | |
|-----|-----|------|------|-----|------|------|
| 0.5 | 125 | 393 | 500 | 369 | 2444 | 2444 |
| 1 | 183 | 800 | 829 | 537 | 4176 | 4176 |
| 2 | 266 | 1490 | 1490 | 636 | 5935 | 5965 |
| 3 | 280 | 1626 | 1626 | NP | | |
| 4 | NP | | | | | |

- This product must be installed in accordance with Harvel's installation instructions printed in the Harvel LXT HPB-114, Revised 5/15/02, product brochure.
- The piping must be labeled with HARVEL LXT, pipe size in inches, SCH 80, and Trace number (i.e.: 6 2303 1).
- The fittings must be labeled with Spears, NSF pw PVC1, pipe size in inches, SCH 80, and part number.

This approval supersedes the approval issued on March 11 2004 under product file number 20040003.

This approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number 20040003.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Jerry Thompson
Plumbing Product Reviewer
Phone: 608-266-6742
Fax: 608-267-9566
E-mail: Jerry.Thompson@wi.gov