



July 18, 2012

GEORG FISCHER HARVEL LLC
 GEORG FISCHER PIPING SYSTEMS LTD.
 JOHN MATTAVI
 300 KUEBLER ROAD
 EASTON PA 18015

Re: Description: PIPES, CPVC
 Manufacturer: GEORG FISCHER HARVEL LLC
 Product Name: HARVEL CORZAN CPVC PIPE
 Model Number(s): 3", 4", 6", 8", 10" and 12" SIZE SCHEDULE 80 PIPE (ASTM F 441 / F 441M)
 Product File No: 20110105

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters SPS 382 through 384, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an alternate approval to s. SPS 84.30 (4)(e)1 based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of August 2016.

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

- Piping shall be labeled at intervals of not more than 5 feet with nominal pipe size, type of pipe material, Schedule 80, pressure rating in psi at 73 degrees F., ASTM F 441 and/or F 441M, the manufacturer's name or trade mark, the mark of the certifying agency for use with potable water.
- This product may be installed for the following water use(s):
 - a. Cold water distribution piping Aboveground
 - b. Cold water distribution piping Underground
- Pipe sizing for this product must comply with Table Harvel Corzan CPVC Pipe. 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.

Table Harvel Corzan CPVC Pipe
 Maximum Allowable Load for Harvel Corzan CPVC, Sch. 80; (C=150)

Pressure Loss Due to Friction (in lbs. per 100 ft. of Length)	Pipe Diameter (in Inches)								
	3			4			6		
	GPM	WSFU	FT	GPM	WSFU	FT	GPM	WSFU	FT
0.25	40	30	86	84	165	295	247	1315	1315
0.5	58	70	225	122	375	485	359	2352	2352
0.75	72	126	240	151	560	646	447	3161	3161
1	84	165	295	177	754	794	522	3966	3966
1.25	95	217	350	199	918	931	589	4941	4941
1.5	105	272	400	220	1094	1094	NP		

1.75	114	325	445	239
2	123	381	490	257
2.25	131	431	533	274
2.5	138	475	572	NP
2.75	146	527	617	
3	153	572	655	
3.25	NP			

Table Harvel Corzan CPVC Pipe
 Maximum Allowable Load for Harvel Corzan CPVC, Sch. 80; (C=150)
 (continued)

Pressure Loss Due to Friction (in lbs. per 100 ft. of Length	Pipe Diameter (in Inches)								
	8			10			12		
	GPM	WSFU		GPM	WSFU		GPM	WSFU	
	FM	FT	FM	FT	FM	FT	FM	FT	
0.25	519	3935	3935	943	*	*	1489	*	*
0.5	754	*	*	1371	*	*	2165	*	*
0.75	939	*	*	1706			NP		
1	1096	*	*	NP					
1.25	NP								

Notes: NP means Not Permitted
 * means that WSFU must be determined by calculations

This approval supersedes the approval issued on April 8, 2011 under product file number 20110105.

This approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number 20110105.

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