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Mid Temp Foaming Installation Instructions INS-MTF

Revised 07/01/26

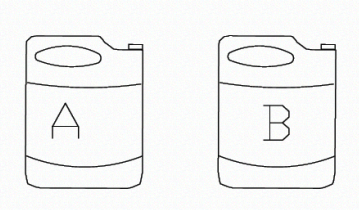
This instruction manual will give you all the information needed in terms of techniques, tools, and accessories required to install ROVANCO's Mid Temperature Foam system. If you follow the instructions carefully, the end result will be a high quality, Mid Temperature Foam piping system. Thank you for showing your confidence in ROVANCO by purchasing its products. We sincerely appreciate your business and we will provide you with quality products with a fair price and "great" service to deserve your future business. Please contact your local ROVANCO Manufacturer's Representative for information about all of the products provided by ROVANCO.

PLEASE READ CAREFULLY—MIX IS NOT 50/50!!

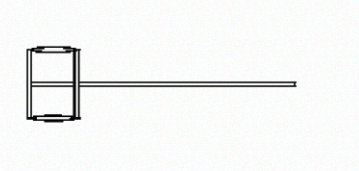
GENERAL FOAMING

MATERIALS (supplied by Rovanco)
Each standard foam kit contains the following items:

1) Containers of A & B agents. Refer to M.S.D.S. for safety requirements



2) Mixer head attachment



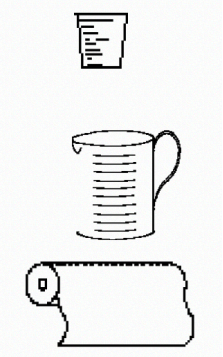
3) Material Safety Data Sheets. (M.S.D.S.)

MATERIALS (To be supplied by the contractor)

1) Non-waxed paper mixing cups (32 oz.)

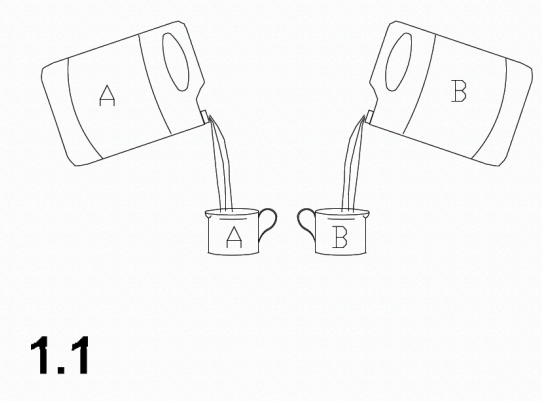
2) Measuring containers

3) Paper towels

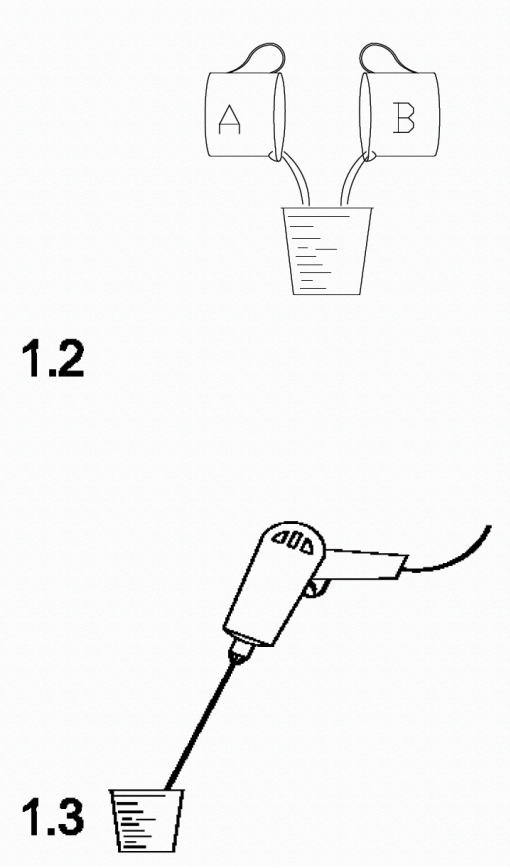


STORAGE

The foam kits should be stored at 70 degrees (F). Keep the containers out of direct sunlight. Higher or lower temperature will affect the products performance. Liquid foam has a shelf life of 6 months after delivery. Not following storage conditions will effect warranty.

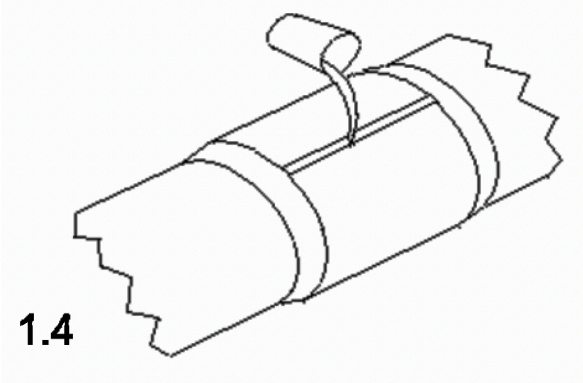


1.1



1.2

1.3



1.4

INSULATING JOINTS

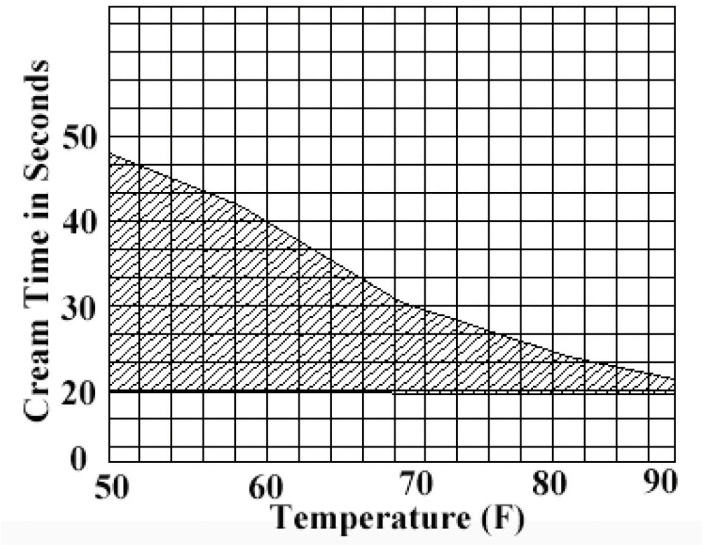
1) Do not begin the foaming process until you have read and understand the foaming process. Prepare the joint to be insulated following the procedures outlined in the piping system installation instructions included with your shipment.

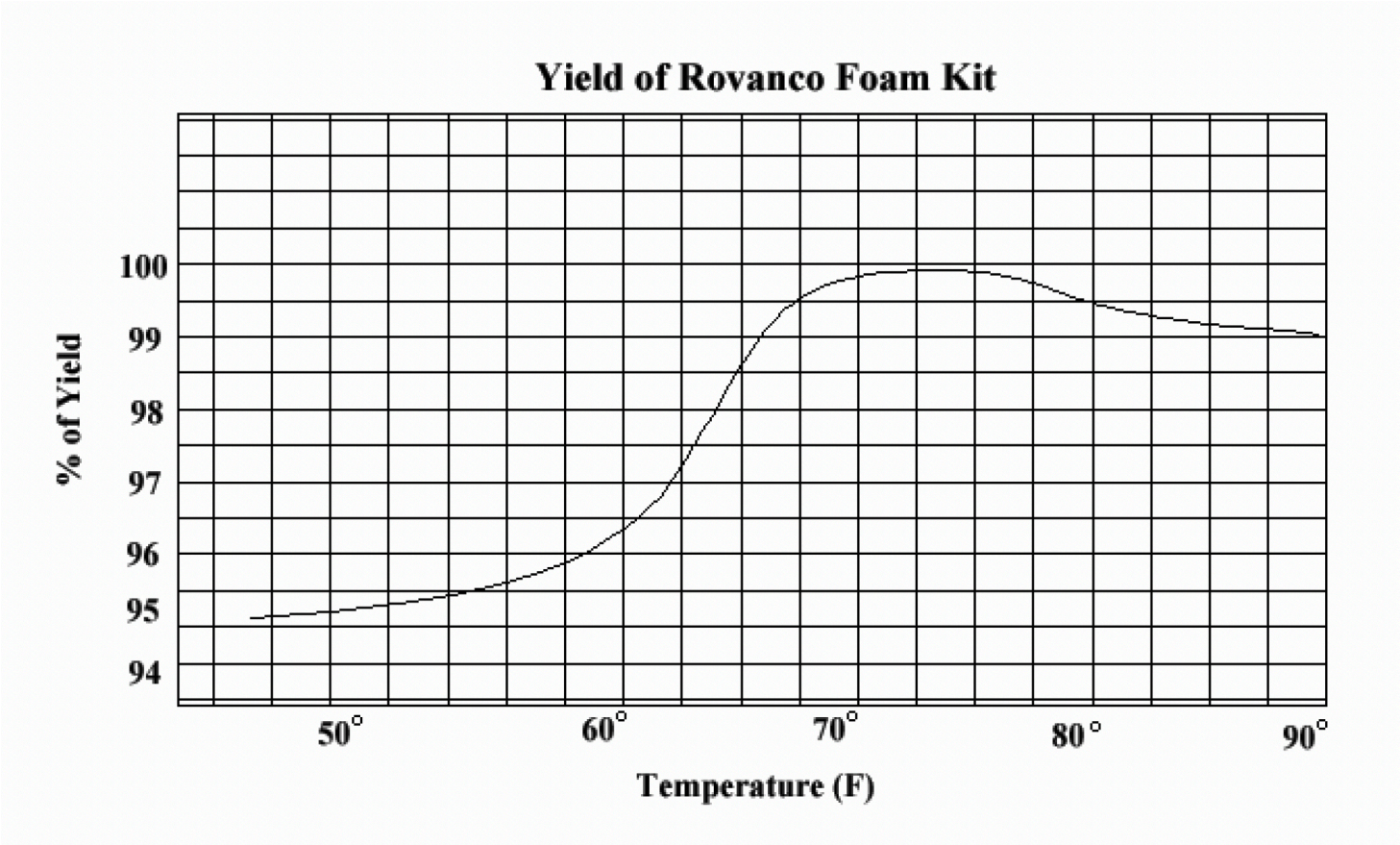
2) Label your measuring cups with the letters A & B to prevent a mix-up later on. Examine the mixing charts on pages 3 and 4, then pour the correct amount of A & B agents into the separate measuring cups. See figure 1.1. Make sure to have the right size fitting and insulation thickness. Some larger sizes require two or three separate pours.

3) Pour the measured amounts of A & B material into a mixing cup.

4) Using an electric drill with the mixer head attachment provided, mix the components for twenty seconds. In temperatures above 70 degrees mix for 12 -15 seconds. See figure 1.3. The cream time is shown on the graph below. Spin the mixing bit clean in an empty cup or box. If foam build up occurs it can be cleaned off with a utility knife or similar tool after it has cured. If pouring in cold conditions, steel carrier pipe must be heated before you pour or foam will not yield.

5) Pour the mixed foam into the mold which you are insulating. See figure 1.4.





Note: Quantities shown are for standard Rovanco Hard Shell Fitting Cover Kits. Adjust amounts as required to fill joints. Larger joints may require two or three pours. For best results, store and maintain A & B components as close to 70 degrees (f) as possible. In temperatures below 70 (f), for best performance, pre-heat pipe and molds. Read M.S.D.S thoroughly, you are using chemicals which could present a hazard if used improperly.

The next page illustrates the proper mixing quantities for Parts A & B of the Mid-Temp Foam Kit. Please use this chart in mixing your quantities of foam.

Insul-8 **POLYISOCYANURATE** Mixing Table —— In OUNCES ——

Parts "A" & "B" Are NOT a 50/50 Mix Ratio (see table below)

NOTE: Depending on outside conditions when installing, slightly more/less foam may be required.

Carrier	Cross Section	Straight Joint		Elbow		Tee	
	Jacket	Ounces "A"	Ounces "B"	Ounces "A"	Ounces "B"	Ounces "A"	Ounces "B"
1"	4	4	2	4	2	6	3
	6	8	4	10	5	16	8
	8	16	8	20	10	28	14
1 1/4"	4	4	2	4	2	6	3
	6	8	4	10	5	16	8
	8	16	8	20	10	28	14
1 1/2"	4	4	2	4	2	6	3
	6	8	4	10	5	14	7
	8	16	8	20	10	28	14
2"	6	8	4	10	5	14	7
	8	16	8	20	10	28	14
	10	28	14	28	14	44	22
2 1/2"	6	8	4	8	4	14	7
	8	16	8	16	8	28	14
	10	24	12	28	14	44	22
3"	6	8	4	8	4	12	6
	8	16	8	16	8	24	12
	10	24	12	28	14	42	21
4"	8	12	6	16	8	22	11
	10	22	11	28	14	40	15
	12	32	16	44	22	62	31
5"	10	20	10	24	12	36	18
	12	32	16	40	20	58	29
6"	10	16	8	20	10	28	14
	12	28	14	36	18	54	27
8"	12	20	10	28	14	40	20
	14	32	16	48	24	72	36
10"	14	22	11	32	16	48	24
	16	40	20	60	30	88	44
12"	16	28	14	44	22	60	30
	18	44	22	72	36	106	53
	20	64	48	106	53	160	80
14"	18	36	18	60	30	88	44
	20	56	28	96	48	144	72
16"	20	40	20	70	36	104	52
	22	64	32	112	84	166	83
18"	22	44	22	82	41	124	62
	24	68	34	128	64	194	97
20"	24	48	24	96	48	144	72
	26	76	38	148	74	224	112
22"	26	52	26	110	55	162	81
	28	82	41	170	85	256	128
24"	28	56	28	124	62	186	93
	30	88	44	192	96	288	144

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Insul-800 **POLYISOCYANURATE** Mixing Table —— In OUNCES ——

Parts "A" & "B" Are NOT a 50/50 Mix Ratio (see table below)

NOTE: Depending on outside conditions when installing, slightly more/less foam may be required.

Carrier	Cross Section	Straight Joint		Elbow		Tee	
	Jacket	Ounces "A"	Ounces "B"	Ounces "A"	Ounces "B"	Ounces "A"	Ounces "B"
1"	4	8	4	8	4	12	6
	6	16	8	20	10	32	16
	8	32	16	40	20	56	28
1 1/4"	4	8	4	8	4	12	6
	6	16	8	20	10	32	16
	8	32	16	40	20	56	28
1 1/2"	4	8	4	8	4	24	12
	6	16	8	20	10	56	28
	8	32	16	40	20	112	56
2"	6	16	8	20	10	28	14
	8	32	16	40	20	56	28
	10	56	28	56	28	88	44
2 1/2"	6	16	8	16	8	28	14
	8	32	16	32	16	56	28
	10	48	24	56	28	88	44
3"	6	16	8	16	8	24	12
	8	32	16	32	16	48	24
	10	48	24	56	28	84	42
4"	8	24	12	32	16	44	22
	10	44	22	56	28	80	40
	12	64	32	88	44	124	62
5"	10	40	20	48	24	72	36
	12	64	32	80	40	116	58
6"	10	32	16	40	20	56	28
	12	56	28	72	36	108	54
8"	12	40	20	56	28	80	40
	14	64	32	96	48	144	72
10"	14	44	22	64	32	96	48
	16	80	40	120	60	176	88
12"	16	56	28	88	44	120	60
	18	88	44	144	72	212	106
	20	128	64	212	106	320	160
14"	18	72	36	120	60	176	88
	20	112	56	192	96	288	144
16"	20	80	40	140	70	208	104
	22	128	64	224	112	332	166
18"	22	88	44	164	82	248	124
	24	138	68	256	128	388	194
20"	24	96	48	192	96	288	144
	26	152	76	296	148	448	224
22"	26	104	52	220	110	324	162
	28	164	82	340	170	512	256
24"	28	112	56	248	124	372	186
	30	176	88	386	192	576	288

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