

epros® Mth - Liner „Basic“

Technical Data Sheet

Material Profile	
epros®Mth - Liner Type „Basic“	Raw material for main pipes from DN 200 (8 inch) up to DN 600 (24 inch) and lateral connections from DN 100 (4 inch) up to DN 200 (8 inch)

Supply Data	
Main Pipe Diameter	200 – 600 (mm) 8 – 24 (inch)
Lateral Pipe Diameter	100 – 125 – 150 – 200 (mm) 4 – 5 – 6 – 8 (inch)
Lateral Liner Length	1,0 bis zu 30,0 m 3,28 up to 98,40 feet
Main Pipe Length Mth-Liner	500 mm / 1,64 feet (19,68 inch)
Lateral Connection Angle	45° and 90° („Y“ / „T“)

General Data	
Type of Fibres	100% Polyester Fibre
Coating	One side PP
Colour Basic Weave	White
Colour Coating	milky
Type of Basic Material	Needle fleece
Used seam and seam sealing	Stitched seam with PES-thread. Seam coating with PP tape.

epros® Mth - Liner „Basic“

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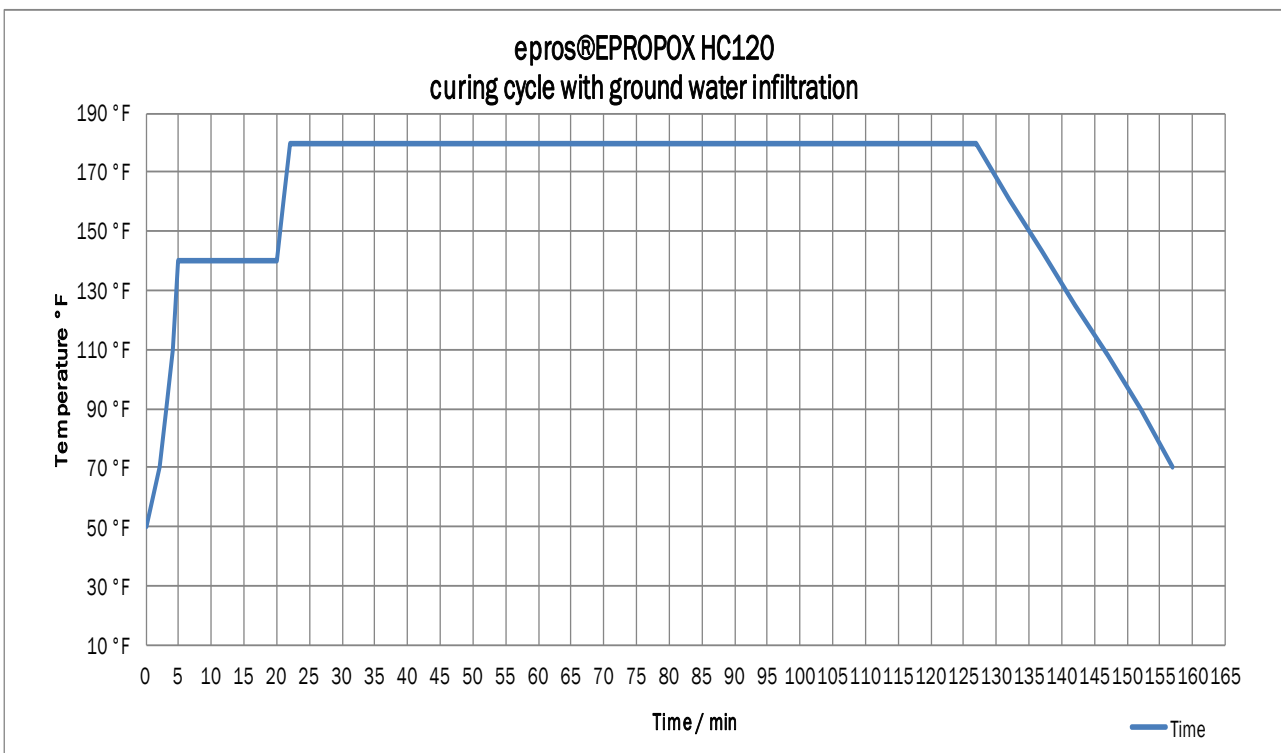
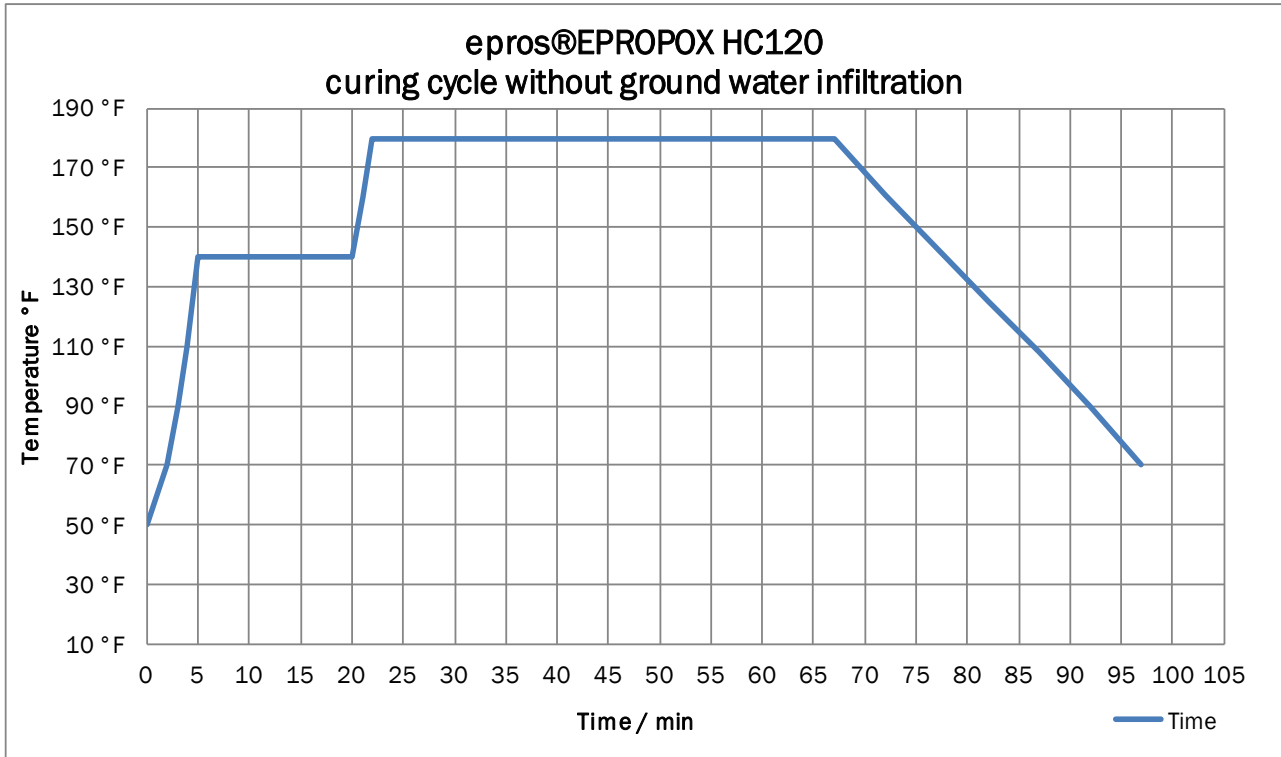
Physical Properties			
Weight per square meter	DIN EN 12127	g/m ²	650* ± 10 %
Thickness [Determined by a weight of 20cN/cm ² on a contact surface of 25 cm ²]	DIN EN ISO 5084	mm	2,8 – 3,3*
Weight of Coating/ Thickness of PP Coating		g/m ²	250 – 350*

With the variety of installation and service conditions as well as of application and process engineering, the data of this sheet can only be taken as a non-binding guide.

*=Modal value (typical value)

Handling Parameter			
		Min.	Max.
Inversion pressure	bar	0,5	1,2
	psi	7,3	17,4
	kPa	50	120
Curing pressure	bar	0,4	0,6
	psi	5,8	8,7
	kPa	40	60
Heat resistance	Max.	100 °C / 212 °F	

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Technical Data Sheet

Calculation of Epoxy Resin amount for **MtH-Liner "Basic" 1 m / 3,28 feet** with the Resin system

epros® EPROPOX HC120

Main Pipe			Resin System		Component A		Component B		Resin System		Component A		Component B	
			Total						Total					
DN (mm)	DN (inch)	angle	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	kg	lbs	kg	lbs	kg	lbs
Lateral Pipe DN100 (4 inch)														
200	8	45°/90°	2,16	0,58	1,55	0,42	0,61	0,16	2,37	5,31	1,78	3,99	0,59	1,32
225	9	45°/90°	2,30	0,61	1,65	0,44	0,65	0,17	2,53	5,59	1,90	4,20	0,63	1,39
250	10	45°/90°	2,44	0,65	1,75	0,47	0,69	0,18	2,68	5,95	2,02	4,47	0,66	1,48
300	12	45°/90°	2,72	0,72	1,95	0,52	0,77	0,20	2,99	6,59	2,25	4,95	0,74	1,64
350	14	45°/90°	3,01	0,80	2,16	0,57	0,85	0,23	3,30	7,32	2,48	5,50	0,82	1,82
400	16	45°/90°	3,29	0,87	2,36	0,62	0,93	0,25	3,61	7,96	2,71	5,98	0,90	1,98
450	18	45°/90°	3,57	0,95	2,56	0,68	1,01	0,27	3,92	8,70	2,95	6,54	0,97	2,16
500	20	45°/90°	3,85	1,02	2,77	0,73	1,08	0,29	4,23	9,34	3,18	7,02	1,05	2,32
550	22	45°/90°	4,13	1,10	2,96	0,79	1,17	0,31	4,53	10,07	3,41	7,57	1,12	2,50
600	24	45°/90°	4,41	1,17	3,16	0,84	1,25	0,33	4,84	10,71	3,64	8,05	1,20	2,66
Lateral Pipe DN125 (5 inch)														
200	8	45°/90°	2,42	0,64	1,74	0,46	0,68	0,18	2,66	5,86	2,00	4,41	0,66	1,45
225	9	45°/90°	2,56	0,68	1,84	0,49	0,72	0,19	2,81	6,23	2,11	4,68	0,70	1,55
250	10	45°/90°	2,70	0,72	1,94	0,52	0,76	0,20	2,96	6,59	2,23	4,95	0,73	1,64
300	12	45°/90°	2,98	0,79	2,14	0,57	0,84	0,22	3,27	7,23	2,46	5,44	0,81	1,79
350	14	45°/90°	3,26	0,87	2,34	0,63	0,92	0,24	3,58	7,96	2,69	5,98	0,89	1,98
400	16	45°/90°	3,54	0,94	2,54	0,68	1,00	0,26	3,89	8,60	2,92	6,47	0,97	2,13
450	18	45°/90°	3,83	1,02	2,75	0,73	1,08	0,29	4,20	9,34	3,16	7,02	1,04	2,32
500	20	45°/90°	4,11	1,09	2,95	0,78	1,16	0,31	4,51	9,98	3,39	7,50	1,12	2,48
550	22	45°/90°	4,39	1,16	3,15	0,83	1,24	0,33	4,82	10,62	3,62	7,98	1,20	2,64
600	24	45°/90°	4,67	1,24	3,35	0,89	1,32	0,35	5,12	11,35	3,85	8,53	1,27	2,82

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Calculation of Epoxy Resin amount for **Mth-Liner "Basic" 1 m / 3,28 feet** with the Resin system

epros® EPROPOX HC120

Main Pipe			Resin System		Component A		Component B		Resin System		Component A		Component B	
			Total						Total					
DN (mm)	DN (inch)	angle	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	kg	lbs	kg	lbs	kg	lbs
Lateral Pipe DN150 (6 inch)														
200	8	45°/90°	2,68	0,71	1,92	0,51	0,76	0,20	2,94	6,50	2,21	4,89	0,73	1,61
225	9	45°/90°	2,82	0,75	2,03	0,54	0,79	0,21	3,10	6,87	2,33	5,17	0,77	1,70
250	10	45°/90°	2,96	0,79	2,12	0,57	0,84	0,22	3,25	7,23	2,44	5,44	0,81	1,79
300	12	45°/90°	3,24	0,86	2,33	0,62	0,91	0,24	3,56	7,87	2,68	5,92	0,88	1,95
350	14	45°/90°	3,52	0,93	2,52	0,67	1,00	0,26	3,86	8,51	2,90	6,40	0,96	2,11
400	16	45°/90°	3,80	1,01	2,73	0,73	1,07	0,28	4,17	9,24	3,14	6,95	1,03	2,29
450	18	45°/90°	4,08	1,08	2,93	0,78	1,15	0,30	4,48	9,88	3,37	7,43	1,11	2,45
500	20	45°/90°	4,37	1,16	3,14	0,83	1,23	0,33	4,80	10,62	3,61	7,98	1,19	2,64
550	22	45°/90°	4,65	1,23	3,33	0,88	1,32	0,35	5,10	11,26	3,83	8,47	1,27	2,79
600	24	45°/90°	4,93	1,31	3,54	0,94	1,39	0,37	5,41	11,99	4,07	9,02	1,34	2,97
Lateral Pipe DN200 (8 inch)														
200	8	45°/90°	3,20	0,85	2,29	0,61	0,91	0,24	3,51	7,78	2,64	5,85	0,87	1,93
225	9	45°/90°	3,34	0,89	2,40	0,64	0,94	0,25	3,67	8,15	2,76	6,13	0,91	2,02
250	10	45°/90°	3,48	0,92	2,50	0,66	0,98	0,26	3,82	8,42	2,87	6,33	0,95	2,09
300	12	45°/90°	3,76	1,00	2,70	0,72	1,06	0,28	4,13	9,15	3,11	6,88	1,02	2,27
350	14	45°/90°	4,04	1,07	2,90	0,77	1,14	0,30	4,43	9,79	3,33	7,36	1,10	2,43
400	16	45°/90°	4,32	1,15	3,10	0,83	1,22	0,32	4,74	10,53	3,56	7,92	1,18	2,61
450	18	45°/90°	4,60	1,22	3,30	0,88	1,30	0,34	5,05	11,17	3,80	8,40	1,25	2,77
500	20	45°/90°	4,88	1,29	3,50	0,92	1,38	0,37	5,35	11,81	4,02	8,88	1,33	2,93
550	22	45°/90°	5,16	1,37	3,70	0,98	1,46	0,39	5,66	12,54	4,26	9,43	1,40	3,11
600	24	45°/90°	5,44	1,44	3,90	1,03	1,54	0,41	5,97	13,18	4,49	9,91	1,48	3,27

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Calculation of Epoxy Resin amount for **Mth-Liner "Basic" 3 m / 9,84 feet** with the Resin system

epros® EPROPOX HC120

Main Pipe			Resin System		Component A		Component B		Resin System		Component A		Component B	
			Total						Total					
DN (mm)	DN (inch)	angle	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	kg	lbs	kg	lbs	kg	lbs
Lateral Pipe DN100 (4 inch)														
200	8	45°/90°	4,24	1,13	3,04	0,81	1,20	0,32	4,65	10,34	3,50	7,77	1,15	2,57
225	9	45°/90°	4,38	1,16	3,14	0,83	1,24	0,33	4,81	10,62	3,62	7,98	1,19	2,64
250	10	45°/90°	4,52	1,20	3,24	0,86	1,28	0,34	4,96	10,98	3,73	8,26	1,23	2,72
300	12	45°/90°	4,80	1,27	3,45	0,91	1,35	0,36	5,27	11,62	3,96	8,74	1,31	2,88
350	14	45°/90°	5,08	1,35	3,64	0,97	1,44	0,38	5,57	12,35	4,19	9,29	1,38	3,06
400	16	45°/90°	5,36	1,42	3,84	1,02	1,52	0,40	5,88	13,00	4,42	9,77	1,46	3,23
450	18	45°/90°	5,64	1,49	4,05	1,07	1,59	0,42	6,19	13,64	4,65	10,26	1,54	3,38
500	20	45°/90°	5,92	1,57	4,24	1,13	1,68	0,44	6,49	14,37	4,88	10,80	1,61	3,57
550	22	45°/90°	6,20	1,64	4,45	1,18	1,75	0,46	6,80	15,01	5,11	11,29	1,69	3,72
600	24	45°/90°	6,48	1,72	4,65	1,24	1,83	0,48	7,11	15,74	5,35	11,83	1,76	3,91
Lateral Pipe DN125 (5 inch)														
200	8	45°/90°	5,01	1,33	3,60	0,96	1,41	0,37	5,50	12,17	4,14	9,15	1,36	3,02
225	9	45°/90°	5,15	1,37	3,69	0,99	1,46	0,38	5,65	12,54	4,25	9,43	1,40	3,11
250	10	45°/90°	5,30	1,41	3,80	1,01	1,50	0,40	5,81	12,90	4,37	9,70	1,44	3,20
300	12	45°/90°	5,58	1,48	4,00	1,06	1,58	0,42	6,12	13,54	4,60	10,18	1,52	3,36
350	14	45°/90°	5,86	1,55	4,20	1,11	1,66	0,44	6,43	14,18	4,83	10,66	1,60	3,52
400	16	45°/90°	6,14	1,63	4,41	1,17	1,73	0,46	6,74	14,92	5,07	11,22	1,67	3,70
450	18	45°/90°	6,42	1,70	4,60	1,22	1,82	0,48	7,04	15,56	5,29	11,70	1,75	3,86
500	20	45°/90°	6,70	1,77	4,81	1,27	1,89	0,50	7,35	16,20	5,53	12,18	1,82	4,02
550	22	45°/90°	6,98	1,85	5,01	1,33	1,97	0,52	7,66	16,93	5,76	12,73	1,90	4,20
600	24	45°/90°	7,26	1,92	5,20	1,38	2,06	0,54	7,96	17,57	5,98	13,21	1,98	4,36

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Calculation of Epoxy Resin amount for **MtH-Liner "Basic" 3 m / 9,84 feet** with the Resin system

epros® EPROPOX HC120

Main Pipe			Resin System		Component A		Component B		Resin System		Component A		Component B	
			Total						Total					
DN (mm)	DN (inch)	angle	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	kg	lbs	kg	lbs	kg	lbs
Lateral Pipe DN150 (6 inch)														
200	8	45°/90°	5,79	1,53	4,15	1,10	1,64	0,43	6,35	14,00	4,77	10,53	1,58	3,47
225	9	45°/90°	5,93	1,57	4,26	1,13	1,67	0,44	6,51	14,37	4,89	10,80	1,62	3,57
250	10	45°/90°	6,07	1,61	4,35	1,16	1,72	0,45	6,66	14,73	5,01	11,08	1,65	3,65
300	12	45°/90°	6,35	1,68	4,56	1,21	1,79	0,47	6,97	15,37	5,24	11,56	1,73	3,81
350	14	45°/90°	6,63	1,76	4,75	1,26	1,88	0,50	7,27	16,11	5,47	12,11	1,80	4,00
400	16	45°/90°	6,91	1,83	4,96	1,31	1,95	0,52	7,58	16,75	5,70	12,59	1,88	4,16
450	18	45°/90°	7,19	1,90	5,16	1,36	2,03	0,54	7,89	17,39	5,93	13,08	1,96	4,31
500	20	45°/90°	7,48	1,98	5,36	1,42	2,12	0,56	8,20	18,12	6,17	13,62	2,03	4,50
550	22	45°/90°	7,76	2,05	5,56	1,47	2,20	0,58	8,51	18,76	6,40	14,11	2,11	4,65
600	24	45°/90°	8,04	2,13	5,77	1,53	2,27	0,60	8,82	19,49	6,63	14,65	2,19	4,84
Lateral Pipe DN200 (8 inch)														
200	8	45°/90°	7,35	1,95	5,27	1,40	2,08	0,55	8,06	17,84	6,06	13,41	2,00	4,43
225	9	45°/90°	7,49	1,98	5,37	1,42	2,12	0,56	8,22	18,12	6,18	13,62	2,04	4,50
250	10	45°/90°	7,63	2,02	5,47	1,45	2,16	0,57	8,37	18,48	6,29	13,89	2,08	4,59
300	12	45°/90°	7,91	2,09	5,68	1,50	2,23	0,59	8,68	19,12	6,53	14,38	2,15	4,74
350	14	45°/90°	8,19	2,17	5,87	1,56	2,32	0,61	8,98	19,86	6,75	14,93	2,23	4,93
400	16	45°/90°	8,47	2,24	6,07	1,61	2,40	0,63	9,29	20,50	6,98	15,41	2,31	5,09
450	18	45°/90°	8,75	2,32	6,28	1,67	2,47	0,65	9,60	21,23	7,22	15,96	2,38	5,27
500	20	45°/90°	9,03	2,39	6,47	1,71	2,56	0,68	9,90	21,87	7,44	16,44	2,46	5,43
550	22	45°/90°	9,31	2,46	6,68	1,76	2,63	0,70	10,21	22,51	7,68	16,92	2,53	5,59
600	24	45°/90°	9,59	2,54	6,88	1,82	2,71	0,72	10,52	23,24	7,91	17,47	2,61	5,77

epros® Mth - Liner „Basic“

Technical Data Sheet

Calculation of Epoxy Resin amount for **MtH-Liner "Basic" 5 m / 16,40 feet** with the Resin system

epros® EPROPOX HC120

Main Pipe			Resin System		Component A		Component B		Resin System		Component A		Component B	
			Total						Total					
DN (mm)	DN (inch)	angle	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	kg	lbs	kg	lbs	kg	lbs
Lateral Pipe DN100 (4 inch)														
200	8	45°/90°	6,31	1,67	4,52	1,20	1,79	0,47	6,92	15,28	5,20	11,49	1,72	3,79
225	9	45°/90°	6,45	1,71	4,63	1,23	1,82	0,48	7,08	15,65	5,32	11,77	1,76	3,88
250	10	45°/90°	6,59	1,75	4,73	1,26	1,86	0,49	7,23	16,01	5,44	12,04	1,79	3,97
300	12	45°/90°	6,87	1,82	4,93	1,31	1,94	0,51	7,54	16,65	5,67	12,52	1,87	4,13
350	14	45°/90°	7,15	1,89	5,13	1,36	2,02	0,53	7,84	17,29	5,89	13,00	1,95	4,29
400	16	45°/90°	7,43	1,97	5,33	1,41	2,10	0,56	8,15	18,03	6,13	13,56	2,02	4,47
450	18	45°/90°	7,71	2,04	5,53	1,46	2,18	0,58	8,46	18,67	6,36	14,04	2,10	4,63
500	20	45°/90°	7,99	2,12	5,73	1,52	2,26	0,60	8,76	19,40	6,59	14,59	2,17	4,81
550	22	45°/90°	8,27	2,19	5,93	1,57	2,34	0,62	9,07	20,04	6,82	15,07	2,25	4,97
600	24	45°/90°	8,55	2,26	6,13	1,62	2,42	0,64	9,38	20,68	7,05	15,55	2,33	5,13
Lateral Pipe DN125 (5 inch)														
200	8	45°/90°	7,61	2,02	5,46	1,45	2,15	0,57	8,35	18,48	6,28	13,89	2,07	4,59
225	9	45°/90°	7,75	2,05	5,56	1,47	2,19	0,58	8,50	18,76	6,39	14,11	2,11	4,65
250	10	45°/90°	7,89	2,09	5,66	1,50	2,23	0,59	8,65	19,12	6,50	14,38	2,15	4,74
300	12	45°/90°	8,17	2,16	5,86	1,55	2,31	0,61	8,96	19,76	6,74	14,86	2,22	4,90
350	14	45°/90°	8,45	2,24	6,06	1,61	2,39	0,63	9,27	20,50	6,97	15,41	2,30	5,09
400	16	45°/90°	8,73	2,31	6,26	1,66	2,47	0,65	9,57	21,14	7,20	15,89	2,37	5,25
450	18	45°/90°	9,01	2,39	6,46	1,72	2,55	0,67	9,88	21,87	7,43	16,44	2,45	5,43
500	20	45°/90°	9,29	2,46	6,66	1,77	2,63	0,69	10,19	22,51	7,66	16,92	2,53	5,59
550	22	45°/90°	9,57	2,53	6,86	1,82	2,71	0,71	10,50	23,15	7,89	17,41	2,61	5,74
600	24	45°/90°	9,85	2,61	7,06	1,87	2,79	0,74	10,80	23,88	8,12	17,95	2,68	5,93

epros[®] Mth - Liner „Basic“ Technical Data Sheet

Calculation of Epoxy Resin amount for **Mth-Liner "Basic" 5 m / 16,40 feet** with the Resin system

epros[®] EPROPOX HC120

Main Pipe			Resin System		Component A		Component B		Resin System		Component A		Component B	
			Total						Total					
DN (mm)	DN (inch)	angle	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	kg	lbs	kg	lbs	kg	lbs
Lateral Pipe DN150 (6 inch)														
200	8	45°/90°	8,90	2,36	6,38	1,69	2,52	0,67	9,76	21,59	7,34	16,23	2,42	5,36
225	9	45°/90°	9,04	2,39	6,48	1,71	2,56	0,68	9,91	21,87	7,45	16,44	2,46	5,43
250	10	45°/90°	9,18	2,43	6,58	1,74	2,60	0,69	10,07	22,23	7,57	16,71	2,50	5,52
300	12	45°/90°	9,46	2,50	6,78	1,79	2,68	0,71	10,37	22,87	7,80	17,20	2,57	5,67
350	14	45°/90°	9,74	2,58	6,98	1,85	2,76	0,73	10,68	23,61	8,03	17,75	2,65	5,86
400	16	45°/90°	10,02	2,65	7,19	1,90	2,83	0,75	10,99	24,25	8,26	18,23	2,73	6,02
450	18	45°/90°	10,30	2,73	7,39	1,96	2,91	0,77	11,30	24,98	8,50	18,78	2,80	6,20
500	20	45°/90°	10,59	2,80	7,59	2,01	3,00	0,79	11,61	25,62	8,73	19,26	2,88	6,36
550	22	45°/90°	10,87	2,88	7,79	2,07	3,08	0,81	11,92	26,35	8,96	19,81	2,96	6,54
600	24	45°/90°	11,15	2,95	8,00	2,12	3,15	0,83	12,23	26,99	9,20	20,29	3,03	6,70
Lateral Pipe DN200 (8 inch)														
200	8	45°/90°	11,49	3,04	8,24	2,18	3,25	0,86	12,60	27,81	9,47	20,91	3,13	6,90
225	9	45°/90°	11,63	3,08	8,34	2,21	3,29	0,87	12,75	28,18	9,59	21,19	3,16	6,99
250	10	45°/90°	11,77	3,11	8,44	2,23	3,33	0,88	12,91	28,46	9,71	21,40	3,20	7,06
300	12	45°/90°	12,06	3,19	8,64	2,29	3,42	0,90	13,22	29,19	9,94	21,95	3,28	7,24
350	14	45°/90°	12,34	3,26	8,85	2,34	3,49	0,92	13,53	29,83	10,17	22,43	3,36	7,40
400	16	45°/90°	12,62	3,34	9,05	2,40	3,57	0,94	13,84	30,56	10,41	22,98	3,43	7,58
450	18	45°/90°	12,90	3,41	9,25	2,45	3,65	0,96	14,15	31,20	10,64	23,46	3,51	7,74
500	20	45°/90°	13,18	3,49	9,45	2,50	3,73	0,99	14,45	31,93	10,86	24,01	3,59	7,92
550	22	45°/90°	13,46	3,56	9,65	2,55	3,81	1,01	14,76	32,57	11,10	24,49	3,66	8,08
600	24	45°/90°	13,74	3,63	9,85	2,60	3,89	1,03	15,07	33,21	11,33	24,97	3,74	8,24

epros® Mth - Liner „Basic“

Technical Data Sheet

Calculation of Epoxy Resin amount for **Mth-Liner "Basic" 10 m / 32,80 feet** with the Resin system

epros® EPROPOX HC120

Main Pipe			Resin System		Component A		Component B		Resin System		Component A		Component B	
			Total						Total					
DN (mm)	DN (inch)	angle	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	kg	lbs	kg	lbs	kg	lbs
Lateral Pipe DN100 (4 inch)														
200	8	45°/90°	11,49	3,04	8,24	2,18	3,25	0,86	12,60	27,81	9,47	20,91	3,13	6,90
225	9	45°/90°	11,63	3,08	8,34	2,21	3,29	0,87	12,75	28,18	9,59	21,19	3,16	6,99
250	10	45°/90°	11,77	3,11	8,44	2,23	3,33	0,88	12,91	28,46	9,71	21,40	3,20	7,06
300	12	45°/90°	12,06	3,19	8,64	2,29	3,42	0,90	13,22	29,19	9,94	21,95	3,28	7,24
350	14	45°/90°	12,34	3,26	8,85	2,34	3,49	0,92	13,53	29,83	10,17	22,43	3,36	7,40
400	16	45°/90°	12,62	3,34	9,05	2,40	3,57	0,94	13,84	30,56	10,41	22,98	3,43	7,58
450	18	45°/90°	12,90	3,41	9,25	2,45	3,65	0,96	14,15	31,20	10,64	23,46	3,51	7,74
500	20	45°/90°	13,18	3,49	9,45	2,50	3,73	0,99	14,45	31,93	10,86	24,01	3,59	7,92
550	22	45°/90°	13,46	3,56	9,65	2,55	3,81	1,01	14,76	32,57	11,10	24,49	3,66	8,08
600	24	45°/90°	13,74	3,63	9,85	2,60	3,89	1,03	15,07	33,21	11,33	24,97	3,74	8,24
Lateral Pipe DN125 (5 inch)														
200	8	45°/90°	14,09	3,73	10,10	2,68	3,99	1,05	15,45	34,13	11,62	25,66	3,83	8,47
225	9	45°/90°	14,23	3,76	10,20	2,70	4,03	1,06	15,60	34,40	11,73	25,86	3,87	8,54
250	10	45°/90°	14,37	3,80	10,30	2,73	4,07	1,07	15,76	34,77	11,85	26,14	3,91	8,63
300	12	45°/90°	14,65	3,88	10,50	2,78	4,15	1,10	16,06	35,50	12,08	26,69	3,98	8,81
350	14	45°/90°	14,93	3,95	10,70	2,83	4,23	1,12	16,37	36,14	12,31	27,17	4,06	8,97
400	16	45°/90°	15,21	4,02	10,91	2,88	4,30	1,14	16,68	36,78	12,54	27,65	4,14	9,13
450	18	45°/90°	15,49	4,10	11,10	2,94	4,39	1,16	16,98	37,51	12,77	28,20	4,21	9,31
500	20	45°/90°	15,77	4,17	11,30	2,99	4,47	1,18	17,29	38,15	13,00	28,68	4,29	9,47
550	22	45°/90°	16,05	4,24	11,51	3,04	4,54	1,20	17,60	38,79	13,23	29,17	4,37	9,62
600	24	45°/90°	16,33	4,32	11,71	3,10	4,62	1,22	17,91	39,52	13,47	29,71	4,44	9,81

epros® Mth - Liner „Basic“

Technical Data Sheet

Calculation of Epoxy Resin amount for **Mth-Liner "Basic" 10 m / 32,80 feet** with the Resin system

epros® EPROPOX HC120

Main Pipe			Resin System		Component A		Component B		Resin System		Component A		Component B	
			Total						Total					
DN (mm)	DN (inch)	angle	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	kg	lbs	kg	lbs	kg	lbs
Lateral Pipe DN150 (6 inch)														
200	8	45°/90°	16,68	4,41	11,96	3,16	4,72	1,25	18,29	40,35	13,75	30,34	4,54	10,01
225	9	45°/90°	16,82	4,45	12,06	3,19	4,76	1,26	18,44	40,71	13,86	30,61	4,58	10,10
250	10	45°/90°	16,96	4,49	12,16	3,22	4,80	1,27	18,60	41,08	13,98	30,89	4,62	10,19
300	12	45°/90°	17,24	4,56	12,36	3,27	4,88	1,29	18,90	41,72	14,21	31,37	4,69	10,35
350	14	45°/90°	17,52	4,63	12,56	3,32	4,96	1,31	19,21	42,36	14,44	31,85	4,77	10,51
400	16	45°/90°	17,80	4,71	12,76	3,38	5,04	1,33	19,52	43,09	14,68	32,40	4,84	10,69
450	18	45°/90°	18,08	4,78	12,96	3,43	5,12	1,35	19,82	43,73	14,90	32,88	4,92	10,85
500	20	45°/90°	18,36	4,86	13,16	3,49	5,20	1,37	20,13	44,46	15,14	33,43	4,99	11,03
550	22	45°/90°	18,64	4,93	13,36	3,54	5,28	1,39	20,44	45,10	15,37	33,91	5,07	11,19
600	24	45°/90°	18,92	5,00	13,56	3,58	5,36	1,42	20,74	45,74	15,59	34,39	5,15	11,35
Lateral Pipe DN200 (8 inch)														
200	8	45°/90°	21,86	5,78	15,67	4,15	6,19	1,63	23,97	52,88	18,02	39,76	5,95	13,12
225	9	45°/90°	22,00	5,82	15,77	4,17	6,23	1,65	24,12	53,25	18,14	40,04	5,98	13,21
250	10	45°/90°	22,14	5,85	15,87	4,19	6,27	1,66	24,27	53,52	18,25	40,24	6,02	13,28
300	12	45°/90°	22,42	5,93	16,07	4,25	6,35	1,68	24,58	54,25	18,48	40,79	6,10	13,46
350	14	45°/90°	22,70	6,00	16,27	4,30	6,43	1,70	24,89	54,89	18,71	41,27	6,18	13,62
400	16	45°/90°	22,98	6,08	16,47	4,36	6,51	1,72	25,19	55,62	18,94	41,82	6,25	13,80
450	18	45°/90°	23,26	6,15	16,67	4,41	6,59	1,74	25,50	56,27	19,17	42,31	6,33	13,96
500	20	45°/90°	23,54	6,22	16,87	4,46	6,67	1,76	25,81	56,91	19,41	42,79	6,40	14,12
550	22	45°/90°	23,83	6,30	17,08	4,52	6,75	1,78	26,13	57,64	19,65	43,34	6,48	14,30
600	24	45°/90°	24,11	6,37	17,28	4,57	6,83	1,80	26,43	58,28	19,87	43,82	6,56	14,46

epros® Mth - Liner „Basic“

Technical Data Sheet

Calculation of Epoxy Resin amount for **Mth-Liner "Basic" 15 m / 49,20 feet** with the Resin system

epros® EPROPOX HC120

Main Pipe			Resin System		Component A		Component B		Resin System		Component A		Component B	
			Total						Total					
DN (mm)	DN (inch)	angle	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	kg	lbs	kg	lbs	kg	lbs
Lateral Pipe DN100 (4 inch)														
200	8	45°/90°	16,68	4,41	11,96	3,16	4,72	1,25	18,29	40,35	13,75	30,34	4,54	10,01
225	9	45°/90°	16,82	4,45	12,06	3,19	4,76	1,26	18,44	40,71	13,86	30,61	4,58	10,10
250	10	45°/90°	16,96	4,49	12,16	3,22	4,80	1,27	18,60	41,08	13,98	30,89	4,62	10,19
300	12	45°/90°	17,24	4,56	12,36	3,27	4,88	1,29	18,90	41,72	14,21	31,37	4,69	10,35
350	14	45°/90°	17,52	4,63	12,56	3,32	4,96	1,31	19,21	42,36	14,44	31,85	4,77	10,51
400	16	45°/90°	17,80	4,71	12,76	3,38	5,04	1,33	19,52	43,09	14,68	32,40	4,84	10,69
450	18	45°/90°	18,08	4,78	12,96	3,43	5,12	1,35	19,82	43,73	14,90	32,88	4,92	10,85
500	20	45°/90°	18,36	4,86	13,16	3,49	5,20	1,37	20,13	44,46	15,14	33,43	4,99	11,03
550	22	45°/90°	18,64	4,93	13,36	3,54	5,28	1,39	20,44	45,10	15,37	33,91	5,07	11,19
600	24	45°/90°	18,92	5,00	13,56	3,58	5,36	1,42	20,74	45,74	15,59	34,39	5,15	11,35
Lateral Pipe DN125 (5 inch)														
200	8	45°/90°	20,57	5,44	14,74	3,90	5,83	1,54	22,55	49,77	16,95	37,42	5,60	12,35
225	9	45°/90°	20,71	5,48	14,85	3,93	5,86	1,55	22,71	50,14	17,08	37,70	5,63	12,44
250	10	45°/90°	20,85	5,51	14,95	3,95	5,90	1,56	22,86	50,41	17,19	37,90	5,67	12,51
300	12	45°/90°	21,13	5,59	15,15	4,01	5,98	1,58	23,17	51,14	17,42	38,45	5,75	12,69
350	14	45°/90°	21,41	5,66	15,34	4,06	6,07	1,60	23,47	51,78	17,65	38,93	5,82	12,85
400	16	45°/90°	21,69	5,73	15,55	4,11	6,14	1,62	23,78	52,42	17,88	39,41	5,90	13,01
450	18	45°/90°	21,97	5,81	15,75	4,17	6,22	1,64	24,09	53,15	18,11	39,96	5,98	13,19
500	20	45°/90°	22,25	5,88	15,95	4,21	6,30	1,67	24,39	53,80	18,34	40,45	6,05	13,35
550	22	45°/90°	22,53	5,96	16,15	4,27	6,38	1,69	24,70	54,53	18,57	41,00	6,13	13,53
600	24	45°/90°	22,81	6,03	16,35	4,32	6,46	1,71	25,01	55,17	18,80	41,48	6,21	13,69

epros® Mth - Liner „Basic“ Technical Data Sheet

Calculation of Epoxy Resin amount for **MtH-Liner "Basic" 15 m / 49,20 feet** with the Resin system

epros® EPROPOX HC120

Main Pipe			Resin System		Component A		Component B		Resin System		Component A		Component B	
			Total						Total					
DN (mm)	DN (inch)	angle	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	kg	lbs	kg	lbs	kg	lbs
Lateral Pipe DN150 (6 inch)														
200	8	45°/90°	24,45	6,46	17,53	4,63	6,92	1,83	26,81	59,10	20,16	44,44	6,65	14,66
225	9	45°/90°	24,59	6,50	17,63	4,66	6,96	1,84	26,96	59,47	20,27	44,71	6,69	14,76
250	10	45°/90°	24,73	6,54	17,72	4,69	7,01	1,85	27,11	59,83	20,38	44,98	6,73	14,85
300	12	45°/90°	25,01	6,61	17,93	4,74	7,08	1,87	27,42	60,47	20,62	45,47	6,80	15,00
350	14	45°/90°	25,29	6,69	18,13	4,80	7,16	1,89	27,73	61,21	20,85	46,02	6,88	15,19
400	16	45°/90°	25,58	6,76	18,34	4,85	7,24	1,91	28,05	61,85	21,09	46,50	6,96	15,35
450	18	45°/90°	25,86	6,84	18,54	4,91	7,32	1,93	28,35	62,58	21,32	47,05	7,03	15,53
500	20	45°/90°	26,14	6,91	18,74	4,95	7,40	1,96	28,66	63,22	21,55	47,53	7,11	15,69
550	22	45°/90°	26,42	6,98	18,94	5,00	7,48	1,98	28,97	63,86	21,78	48,02	7,19	15,84
600	24	45°/90°	26,70	7,06	19,14	5,06	7,56	2,00	29,27	64,59	22,01	48,56	7,26	16,03
Lateral Pipe DN200 (8 inch)														
200	8	45°/90°	32,23	8,52	23,10	6,11	9,13	2,41	35,33	77,95	26,56	58,61	8,77	19,34
225	9	45°/90°	32,37	8,56	23,20	6,14	9,17	2,42	35,49	78,31	26,68	58,88	8,81	19,43
250	10	45°/90°	32,51	8,59	23,30	6,16	9,21	2,43	35,64	78,59	26,80	59,09	8,84	19,50
300	12	45°/90°	32,79	8,67	23,50	6,22	9,29	2,45	35,95	79,32	27,03	59,64	8,92	19,68
350	14	45°/90°	33,07	8,74	23,71	6,27	9,36	2,47	36,26	79,96	27,26	60,12	9,00	19,84
400	16	45°/90°	33,35	8,82	23,90	6,32	9,45	2,50	36,56	80,69	27,49	60,67	9,07	20,02
450	18	45°/90°	33,63	8,89	24,11	6,37	9,52	2,52	36,87	81,33	27,72	61,15	9,15	20,18
500	20	45°/90°	33,91	8,96	24,31	6,42	9,60	2,54	37,18	81,97	27,95	61,63	9,23	20,34
550	22	45°/90°	34,19	9,04	24,50	6,48	9,69	2,56	37,48	82,70	28,18	62,18	9,30	20,52
600	24	45°/90°	34,47	9,11	24,71	6,53	9,76	2,58	37,79	83,34	28,41	62,66	9,38	20,68

epros® Mth - Liner „Basic“

Technical Data Sheet

Calculation of Epoxy Resin amount for **Mth-Liner "Basic" 20 m / 65,60 feet** with the Resin system

epros® EPROPOX HC120

Main Pipe			Resin System		Component A		Component B		Resin System		Component A		Component B	
			Total						Total					
DN (mm)	DN (inch)	angle	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	kg	lbs	kg	lbs	kg	lbs
Lateral Pipe DN100 (4 inch)														
200	8	45°/90°	21,86	5,78	15,67	4,15	6,19	1,63	23,97	52,88	18,02	39,76	5,95	13,12
225	9	45°/90°	22,00	5,82	15,77	4,17	6,23	1,65	24,12	53,25	18,14	40,04	5,98	13,21
250	10	45°/90°	22,14	5,85	15,87	4,19	6,27	1,66	24,27	53,52	18,25	40,24	6,02	13,28
300	12	45°/90°	22,42	5,93	16,07	4,25	6,35	1,68	24,58	54,25	18,48	40,79	6,10	13,46
350	14	45°/90°	22,70	6,00	16,27	4,30	6,43	1,70	24,89	54,89	18,71	41,27	6,18	13,62
400	16	45°/90°	22,98	6,08	16,47	4,36	6,51	1,72	25,19	55,62	18,94	41,82	6,25	13,80
450	18	45°/90°	23,26	6,15	16,67	4,41	6,59	1,74	25,50	56,27	19,17	42,31	6,33	13,96
500	20	45°/90°	23,54	6,22	16,87	4,46	6,67	1,76	25,81	56,91	19,41	42,79	6,40	14,12
550	22	45°/90°	23,83	6,30	17,08	4,52	6,75	1,78	26,13	57,64	19,65	43,34	6,48	14,30
600	24	45°/90°	24,11	6,37	17,28	4,57	6,83	1,80	26,43	58,28	19,87	43,82	6,56	14,46
Lateral Pipe DN125 (5 inch)														
200	8	45°/90°	27,05	7,15	19,39	5,13	7,66	2,02	29,66	65,41	22,30	49,18	7,36	16,23
225	9	45°/90°	27,19	7,19	19,49	5,16	7,70	2,03	29,81	65,78	22,41	49,46	7,40	16,32
250	10	45°/90°	27,33	7,22	19,59	5,17	7,74	2,05	29,96	66,05	22,53	49,66	7,43	16,39
300	12	45°/90°	27,61	7,30	19,79	5,23	7,82	2,07	30,27	66,79	22,76	50,22	7,51	16,57
350	14	45°/90°	27,89	7,37	19,99	5,28	7,90	2,09	30,58	67,43	22,99	50,70	7,59	16,73
400	16	45°/90°	28,17	7,45	20,19	5,34	7,98	2,11	30,88	68,16	23,22	51,25	7,66	16,91
450	18	45°/90°	28,45	7,52	20,39	5,39	8,06	2,13	31,19	68,80	23,45	51,73	7,74	17,07
500	20	45°/90°	28,73	7,59	20,59	5,44	8,14	2,15	31,50	69,44	23,68	52,21	7,82	17,23
550	22	45°/90°	29,01	7,67	20,79	5,50	8,22	2,17	31,80	70,17	23,91	52,76	7,89	17,41
600	24	45°/90°	29,29	7,74	20,99	5,55	8,30	2,19	32,11	70,81	24,14	53,24	7,97	17,57

epros® Mth - Liner „Basic“ Technical Data Sheet

Calculation of Epoxy Resin amount for **Mth-Liner "Basic" 20 m / 65,60 feet** with the Resin system

epros® EPROPOX HC120

Main Pipe			Resin System		Component A		Component B		Resin System		Component A		Component B	
			Total						Total					
DN (mm)	DN (inch)	angle	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	kg	lbs	kg	lbs	kg	lbs
Lateral Pipe DN150 (6 inch)														
200	8	45°/90°	32,23	8,52	23,10	6,11	9,13	2,41	35,33	77,95	26,56	58,61	8,77	19,34
225	9	45°/90°	32,37	8,56	23,20	6,14	9,17	2,42	35,49	78,31	26,68	58,88	8,81	19,43
250	10	45°/90°	32,51	8,59	23,30	6,16	9,21	2,43	35,64	78,59	26,80	59,09	8,84	19,50
300	12	45°/90°	32,79	8,67	23,50	6,22	9,29	2,45	35,95	79,32	27,03	59,64	8,92	19,68
350	14	45°/90°	33,07	8,74	23,71	6,27	9,36	2,47	36,26	79,96	27,26	60,12	9,00	19,84
400	16	45°/90°	33,35	8,82	23,90	6,32	9,45	2,50	36,56	80,69	27,49	60,67	9,07	20,02
450	18	45°/90°	33,63	8,89	24,11	6,37	9,52	2,52	36,87	81,33	27,72	61,15	9,15	20,18
500	20	45°/90°	33,91	8,96	24,31	6,42	9,60	2,54	37,18	81,97	27,95	61,63	9,23	20,34
550	22	45°/90°	34,19	9,04	24,50	6,48	9,69	2,56	37,48	82,70	28,18	62,18	9,30	20,52
600	24	45°/90°	34,47	9,11	24,71	6,53	9,76	2,58	37,79	83,34	28,41	62,66	9,38	20,68
Lateral Pipe DN200 (8 inch)														
200	8	45°/90°	42,60	11,26	30,53	8,07	12,07	3,19	46,70	103,01	35,11	77,45	11,59	25,56
225	9	45°/90°	42,74	11,30	30,64	8,10	12,10	3,20	46,86	103,38	35,23	77,73	11,63	25,65
250	10	45°/90°	42,88	11,33	30,74	8,12	12,14	3,21	47,01	103,65	35,35	77,93	11,66	25,72
300	12	45°/90°	43,16	11,41	30,94	8,18	12,22	3,23	47,32	104,38	35,58	78,48	11,74	25,90
350	14	45°/90°	43,44	11,48	31,13	8,23	12,31	3,25	47,62	105,02	35,80	78,96	11,82	26,06
400	16	45°/90°	43,72	11,55	31,34	8,28	12,38	3,27	47,93	105,66	36,04	79,44	11,89	26,22
450	18	45°/90°	44,00	11,63	31,54	8,34	12,46	3,29	48,24	106,40	36,27	80,00	11,97	26,40
500	20	45°/90°	44,28	11,70	31,74	8,39	12,54	3,31	48,54	107,04	36,50	80,48	12,04	26,56
550	22	45°/90°	44,56	11,78	31,94	8,45	12,62	3,33	48,85	107,77	36,73	81,03	12,12	26,74
600	24	45°/90°	44,84	11,85	32,14	8,50	12,70	3,35	49,16	108,41	36,96	81,51	12,20	26,90

epros® Mth - Liner „Basic“

Technical Data Sheet

Calculation of Epoxy Resin amount for **Mth-Liner "Basic" 25 m / 82,00 feet** with the Resin system

epros® EPROPOX HC120

Main Pipe			Resin System		Component A		Component B		Resin System		Component A		Component B	
			Total						Total					
DN (mm)	DN (inch)	angle	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	kg	lbs	kg	lbs	kg	lbs
Lateral Pipe DN100 (4 inch)														
200	8	45°/90°	27,05	7,15	19,39	5,13	7,66	2,02	29,66	65,41	22,30	49,18	7,36	16,23
225	9	45°/90°	27,19	7,19	19,49	5,16	7,70	2,03	29,81	65,78	22,41	49,46	7,40	16,32
250	10	45°/90°	27,33	7,22	19,59	5,17	7,74	2,05	29,96	66,05	22,53	49,66	7,43	16,39
300	12	45°/90°	27,61	7,30	19,79	5,23	7,82	2,07	30,27	66,79	22,76	50,22	7,51	16,57
350	14	45°/90°	27,89	7,37	19,99	5,28	7,90	2,09	30,58	67,43	22,99	50,70	7,59	16,73
400	16	45°/90°	28,17	7,45	20,19	5,34	7,98	2,11	30,88	68,16	23,22	51,25	7,66	16,91
450	18	45°/90°	28,45	7,52	20,39	5,39	8,06	2,13	31,19	68,80	23,45	51,73	7,74	17,07
500	20	45°/90°	28,73	7,59	20,59	5,44	8,14	2,15	31,50	69,44	23,68	52,21	7,82	17,23
550	22	45°/90°	29,01	7,67	20,79	5,50	8,22	2,17	31,80	70,17	23,91	52,76	7,89	17,41
600	24	45°/90°	29,29	7,74	20,99	5,55	8,30	2,19	32,11	70,81	24,14	53,24	7,97	17,57
Lateral Pipe DN125 (5 inch)														
200	8	45°/90°	33,52	8,86	24,03	6,35	9,49	2,51	36,75	81,06	27,63	60,95	9,12	20,11
225	9	45°/90°	33,66	8,90	24,13	6,38	9,53	2,52	36,90	81,42	27,74	61,22	9,16	20,20
250	10	45°/90°	33,81	8,94	24,24	6,41	9,57	2,53	37,07	81,79	27,87	61,50	9,20	20,29
300	12	45°/90°	34,09	9,01	24,43	6,46	9,66	2,55	37,37	82,43	28,10	61,98	9,27	20,45
350	14	45°/90°	34,37	9,08	24,64	6,51	9,73	2,57	37,68	83,07	28,33	62,46	9,35	20,61
400	16	45°/90°	34,65	9,16	24,84	6,57	9,81	2,59	37,99	83,80	28,56	63,01	9,43	20,79
450	18	45°/90°	34,93	9,23	25,03	6,62	9,90	2,61	38,29	84,44	28,79	63,49	9,50	20,95
500	20	45°/90°	35,21	9,31	25,24	6,68	9,97	2,63	38,60	85,17	29,02	64,04	9,58	21,13
550	22	45°/90°	35,49	9,38	25,44	6,72	10,05	2,66	38,91	85,81	29,26	64,52	9,65	21,29
600	24	45°/90°	35,77	9,45	25,64	6,77	10,13	2,68	39,22	86,45	29,49	65,00	9,73	21,45

epros® Mth - Liner „Basic“

Technical Data Sheet

Calculation of Epoxy Resin amount for **Mth-Liner "Basic" 25 m / 82,00 feet** with the Resin system

epros® EPROPOX HC120

Main Pipe			Resin System		Component A		Component B		Resin System		Component A		Component B	
			Total						Total					
DN (mm)	DN (inch)	angle	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	kg	lbs	kg	lbs	kg	lbs
Lateral Pipe DN150 (6 inch)														
200	8	45°/90°	40,00	10,57	28,67	7,58	11,33	2,99	43,85	96,70	32,97	72,71	10,88	23,99
225	9	45°/90°	40,14	10,61	28,77	7,61	11,37	3,00	44,01	97,07	33,09	72,98	10,92	24,09
250	10	45°/90°	40,28	10,65	28,87	7,64	11,41	3,01	44,16	97,43	33,20	73,26	10,96	24,17
300	12	45°/90°	40,57	10,72	29,08	7,69	11,49	3,03	44,48	98,07	33,44	73,74	11,04	24,33
350	14	45°/90°	40,85	10,80	29,28	7,74	11,57	3,06	44,78	98,80	33,67	74,29	11,11	24,51
400	16	45°/90°	41,13	10,87	29,48	7,79	11,65	3,08	45,09	99,44	33,90	74,77	11,19	24,67
450	18	45°/90°	41,41	10,94	29,68	7,84	11,73	3,10	45,40	100,08	34,14	75,25	11,26	24,83
500	20	45°/90°	41,69	11,02	29,88	7,90	11,81	3,12	45,70	100,82	34,36	75,80	11,34	25,02
550	22	45°/90°	41,97	11,09	30,08	7,95	11,89	3,14	46,01	101,46	34,59	76,29	11,42	25,17
600	24	45°/90°	42,25	11,17	30,28	8,01	11,97	3,16	46,32	102,19	34,83	76,83	11,49	25,36
Lateral Pipe DN200 (8 inch)														
200	8	45°/90°	52,96	14,00	37,96	10,04	15,00	3,96	58,06	128,08	43,65	96,30	14,41	31,78
225	9	45°/90°	53,10	14,03	38,06	10,06	15,04	3,97	58,21	128,35	43,77	96,50	14,44	31,85
250	10	45°/90°	53,24	14,07	38,16	10,09	15,08	3,98	58,37	128,72	43,89	96,78	14,48	31,94
300	12	45°/90°	53,52	14,14	38,36	10,13	15,16	4,01	58,67	129,36	44,11	97,26	14,56	32,10
350	14	45°/90°	53,80	14,22	38,56	10,19	15,24	4,03	58,98	130,09	44,35	97,81	14,63	32,28
400	16	45°/90°	54,09	14,29	38,77	10,24	15,32	4,05	59,30	130,73	44,59	98,29	14,71	32,44
450	18	45°/90°	54,37	14,37	38,97	10,30	15,40	4,07	59,60	131,46	44,81	98,84	14,79	32,62
500	20	45°/90°	54,65	14,44	39,17	10,35	15,48	4,09	59,91	132,10	45,05	99,32	14,86	32,78
550	22	45°/90°	54,93	14,52	39,37	10,41	15,56	4,11	60,22	132,83	45,28	99,87	14,94	32,96
600	24	45°/90°	55,21	14,59	39,57	10,46	15,64	4,13	60,52	133,47	45,50	100,35	15,02	33,12

epros® Mth - Liner „Basic“

Technical Data Sheet

Calculation of Epoxy Resin amount for **Mth-Liner "Basic" 30 m / 98,40 feet** with the Resin system

epros® EPROPOX HC120

Main Pipe			Resin System		Component A		Component B		Resin System		Component A		Component B	
			Total						Total					
DN (mm)	DN (inch)	angle	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	kg	lbs	kg	lbs	kg	lbs
Lateral Pipe DN100 (4 inch)														
200	8	45°/90°	32,23	8,52	23,10	6,11	9,13	2,41	35,33	77,95	26,56	58,61	8,77	19,34
225	9	45°/90°	32,37	8,56	23,20	6,14	9,17	2,42	35,49	78,31	26,68	58,88	8,81	19,43
250	10	45°/90°	32,51	8,59	23,30	6,16	9,21	2,43	35,64	78,59	26,80	59,09	8,84	19,50
300	12	45°/90°	32,79	8,67	23,50	6,22	9,29	2,45	35,95	79,32	27,03	59,64	8,92	19,68
350	14	45°/90°	33,07	8,74	23,71	6,27	9,36	2,47	36,26	79,96	27,26	60,12	9,00	19,84
400	16	45°/90°	33,35	8,82	23,90	6,32	9,45	2,50	36,56	80,69	27,49	60,67	9,07	20,02
450	18	45°/90°	33,63	8,89	24,11	6,37	9,52	2,52	36,87	81,33	27,72	61,15	9,15	20,18
500	20	45°/90°	33,91	8,96	24,31	6,42	9,60	2,54	37,18	81,97	27,95	61,63	9,23	20,34
550	22	45°/90°	34,19	9,04	24,50	6,48	9,69	2,56	37,48	82,70	28,18	62,18	9,30	20,52
600	24	45°/90°	34,47	9,11	24,71	6,53	9,76	2,58	37,79	83,34	28,41	62,66	9,38	20,68
Lateral Pipe DN125 (5 inch)														
200	8	45°/90°	40,00	10,57	28,67	7,58	11,33	2,99	43,85	96,70	32,97	72,71	10,88	23,99
225	9	45°/90°	40,14	10,61	28,77	7,61	11,37	3,00	44,01	97,07	33,09	72,98	10,92	24,09
250	10	45°/90°	40,28	10,65	28,87	7,64	11,41	3,01	44,16	97,43	33,20	73,26	10,96	24,17
300	12	45°/90°	40,57	10,72	29,08	7,69	11,49	3,03	44,48	98,07	33,44	73,74	11,04	24,33
350	14	45°/90°	40,85	10,80	29,28	7,74	11,57	3,06	44,78	98,80	33,67	74,29	11,11	24,51
400	16	45°/90°	41,13	10,87	29,48	7,79	11,65	3,08	45,09	99,44	33,90	74,77	11,19	24,67
450	18	45°/90°	41,41	10,94	29,68	7,84	11,73	3,10	45,40	100,08	34,14	75,25	11,26	24,83
500	20	45°/90°	41,69	11,02	29,88	7,90	11,81	3,12	45,70	100,82	34,36	75,80	11,34	25,02
550	22	45°/90°	41,97	11,09	30,08	7,95	11,89	3,14	46,01	101,46	34,59	76,29	11,42	25,17
600	24	45°/90°	42,25	11,17	30,28	8,01	11,97	3,16	46,32	102,19	34,83	76,83	11,49	25,36

epros® Mth - Liner „Basic“ Technical Data Sheet

Calculation of Epoxy Resin amount for **Mth-Liner "Basic" 30 m / 98,40 feet** with the Resin system

epros® EPROPOX HC120

Main Pipe			Resin System		Component A		Component B		Resin System		Component A		Component B	
			Total		A		B		Total		A		B	
DN (mm)	DN (inch)	angle	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	Litres	Gallon (US liq.)	kg	lbs	kg	lbs	kg	lbs
Lateral Pipe DN150 (6 inch)														
200	8	45°/90°	47,78	12,63	34,25	9,05	13,53	3,58	52,38	115,54	39,38	86,87	13,00	28,67
225	9	45°/90°	47,92	12,66	34,34	9,07	13,58	3,59	52,53	115,82	39,50	87,08	13,03	28,74
250	10	45°/90°	48,06	12,70	34,45	9,10	13,61	3,60	52,69	116,18	39,62	87,35	13,07	28,83
300	12	45°/90°	48,34	12,78	34,65	9,16	13,69	3,62	52,99	116,92	39,84	87,91	13,15	29,01
350	14	45°/90°	48,62	12,85	34,85	9,21	13,77	3,64	53,30	117,56	40,08	88,39	13,22	29,17
400	16	45°/90°	48,90	12,92	35,05	9,26	13,85	3,66	53,61	118,20	40,31	88,87	13,30	29,33
450	18	45°/90°	49,18	13,00	35,25	9,32	13,93	3,68	53,91	118,93	40,53	89,42	13,38	29,51
500	20	45°/90°	49,46	13,07	35,45	9,37	14,01	3,70	54,22	119,57	40,77	89,90	13,45	29,67
550	22	45°/90°	49,74	13,14	35,65	9,42	14,09	3,72	54,53	120,21	41,00	90,38	13,53	29,83
600	24	45°/90°	50,02	13,22	35,85	9,48	14,17	3,74	54,84	120,94	41,23	90,93	13,61	30,01
Lateral Pipe DN200 (8 inch)														
200	8	45°/90°	63,33	16,74	45,39	12,00	17,94	4,74	69,43	153,14	52,20	115,14	17,23	38,00
225	9	45°/90°	63,47	16,77	45,49	12,02	17,98	4,75	69,58	153,42	52,32	115,35	17,26	38,07
250	10	45°/90°	63,61	16,81	45,59	12,05	18,02	4,76	69,73	153,78	52,43	115,62	17,30	38,16
300	12	45°/90°	63,89	16,88	45,79	12,10	18,10	4,78	70,04	154,42	52,66	116,11	17,38	38,31
350	14	45°/90°	64,17	16,96	46,00	12,16	18,17	4,80	70,35	155,15	52,89	116,65	17,46	38,50
400	16	45°/90°	64,45	17,03	46,19	12,21	18,26	4,82	70,65	155,80	53,12	117,14	17,53	38,66
450	18	45°/90°	64,73	17,10	46,39	12,26	18,34	4,84	70,96	156,44	53,35	117,62	17,61	38,82
500	20	45°/90°	65,01	17,18	46,60	12,32	18,41	4,86	71,27	157,17	53,59	118,17	17,68	39,00
550	22	45°/90°	65,29	17,25	46,79	12,36	18,50	4,89	71,57	157,81	53,81	118,65	17,76	39,16
600	24	45°/90°	65,57	17,33	47,00	12,42	18,57	4,91	71,88	158,54	54,05	119,20	17,83	39,34

epros® Mth - Liner „Basic“
Technical Data Sheet

Cutting measurements Main Pipe – Adjustment of the Diameter					
Mth-Liner Main Pipe DN200 – 300 / 8 – 12 inch					
Main Pipe Diameter mm / inch		Flat size Total mm / inch		cut from each side mm / inch	
200	8	680	26,77	170	6,69
225	9	765	30,12	128	5,02
250	10	850	33,46	85	3,35
300	12	1020	40,16	0,0	0,0

Technical drawing of the Mth-Liner Main Pipe showing dimensions for different diameters. The drawing shows a cross-section of the pipe with a central circle representing the hole. Dimensions are given for diameters DN 300 / 12, DN 250 / 10, DN 225 / 9, and DN 200 / 8. The total flat size and the cut from each side are also indicated for each diameter.

epros® Mth - Liner „Basic“
Technical Data Sheet

Cutting measurements Main Pipe – Adjustment of the Diameter					
Mth-Liner Main Pipe DN 350 – 600 / 14 – 24 inch					
Main Pipe Diameter mm / inch		Flat size Total mm / inch		cut from each side mm / inch	
350	14	1190	46,85	425	16,73
400	16	1360	53,54	340	13,39
450	18	1530	60,24	255	10,04
500	20	1700	66,93	170	6,69
550	22	1870	73,62	85	3,35
600	24	2040	80,31	0,0	0,0

Diagram illustrating the cutting measurements for the Mth-Liner Main Pipe, showing dimensions for various diameters (DN 350 to DN 600) and the corresponding flat size and cut from each side.

Dimensions shown in the diagram:

- DN 600 / 24
- DN 550 / 22
- DN 500 / 20
- DN 450 / 18
- DN 400 / 16
- DN 350 / 14
- 500mm / 19,69"
- 85 mm / 3,35"
- 170 mm / 6,69"
- 255 mm / 10,04"
- 340 mm / 13,39"
- 425 mm / 16,73"