



TEMPERATURE-VOLUME CORRECTIONS FOR ASPHALTIC MATERIALS (METRIC UNITS)

GROUP 0 – DENSITY AT 15°C ABOVE 0.9654

LEGEND: t = Observed Temperature in Degrees Celsius
M = Multiplier for Reducing Volume to 15°C

t	M	t	M	t	M	t	M	t	M
-25.0	1.0254	0.0	1.0095	25.0	0.9937	50.0	0.9782	75.0	0.9628
-24.5	1.0251	0.5	1.0092	25.5	0.9934	50.5	0.9779	75.5	0.9625
-24.0	1.0248	1.0	1.0089	26.0	0.9931	51.0	0.9776	76.0	0.9622
-23.5	1.0244	1.5	1.0085	26.5	0.9928	51.5	0.9773	76.5	0.9619
-23.0	1.0241	2.0	1.0082	27.0	0.9925	52.0	0.9770	77.0	0.9616
-22.5	1.0238	2.5	1.0079	27.5	0.9922	52.5	0.9767	77.5	0.9613
-22.0	1.0235	3.0	1.0076	28.0	0.9918	53.0	0.9763	78.0	0.9609
-21.5	1.0232	3.5	1.0073	28.5	0.9915	53.5	0.9760	78.5	0.9606
-21.0	1.0228	4.0	1.0069	29.0	0.9912	54.0	0.9757	79.0	0.9603
-20.5	1.0225	4.5	1.0066	29.5	0.9909	54.5	0.9754	79.5	0.9600
-20.0	1.0222	5.0	1.0063	30.0	0.9906	55.0	0.9751	80.0	0.9597
-19.5	1.0219	5.5	1.0060	30.5	0.9903	55.5	0.9748	80.5	0.9594
-19.0	1.0216	6.0	1.0057	31.0	0.9900	56.0	0.9745	81.0	0.9591
-18.5	1.0212	6.5	1.0053	31.5	0.9897	56.5	0.9742	81.5	0.9588
-18.0	1.0209	7.0	1.0050	32.0	0.9894	57.0	0.9739	82.0	0.9585
-17.5	1.0206	7.5	1.0047	32.5	0.9891	57.5	0.9736	82.5	0.9582
-17.0	1.0203	8.0	1.0044	33.0	0.9887	58.0	0.9732	83.0	0.9578
-16.5	1.0200	8.5	1.0041	33.5	0.9884	58.5	0.9729	83.5	0.9576
-16.0	1.0196	9.0	1.0037	34.0	0.9881	59.0	0.9726	84.0	0.9573
-15.5	1.0193	9.5	1.0034	34.5	0.9878	59.5	0.9723	84.5	0.9570
-15.0	1.0190	10.0	1.0031	35.0	0.9875	60.0	0.9720	85.0	0.9567
-14.5	1.0187	10.5	1.0028	35.5	0.9872	60.5	0.9717	85.5	0.9564
-14.0	1.0184	11.0	1.0025	36.0	0.9869	61.0	0.9714	86.0	0.9561
-13.5	1.0180	11.5	1.0022	36.5	0.9866	61.5	0.9711	86.5	0.9558
-13.0	1.0177	12.0	1.0019	37.0	0.9863	62.0	0.9708	87.0	0.9555
-12.5	1.0174	12.5	1.0016	37.5	0.9860	62.5	0.9705	87.5	0.9552
-12.0	1.0171	13.0	1.0012	38.0	0.9856	63.0	0.9701	88.0	0.9548
-11.5	1.0168	13.5	1.0009	38.5	0.9853	63.5	0.9698	88.5	0.9545
-11.0	1.0164	14.0	1.0006	39.0	0.9850	64.0	0.9695	89.0	0.9542
-10.5	1.0161	14.5	1.0003	39.5	0.9847	64.5	0.9692	89.5	0.9539
-10.0	1.0158	15.0	1.0000	40.0	0.9844	65.0	0.9689	90.0	0.9536
-9.5	1.0155	15.5	0.9997	40.5	0.9841	65.5	0.9686	90.5	0.9533
-9.0	1.0152	16.0	0.9994	41.0	0.9838	66.0	0.9683	91.0	0.9530
-8.5	1.0148	16.5	0.9991	41.5	0.9835	66.5	0.9680	91.5	0.9527
-8.0	1.0145	17.0	0.9988	42.0	0.9832	67.0	0.9677	92.0	0.9524
-7.5	1.0142	17.5	0.9985	42.5	0.9829	67.5	0.9674	92.5	0.9521
-7.0	1.0139	18.0	0.9981	43.0	0.9825	68.0	0.9670	93.0	0.9518
-6.5	1.0136	18.5	0.9978	43.5	0.9822	68.5	0.9667	93.5	0.9515
-6.0	1.0132	19.0	0.9975	44.0	0.9819	69.0	0.9664	94.0	0.9512
-5.5	1.0129	19.5	0.9972	44.5	0.9816	69.5	0.9661	94.5	0.9509
-5.0	1.0126	20.0	0.9969	45.0	0.9813	70.0	0.9658	95.0	0.9506
-4.5	1.0123	20.5	0.9966	45.5	0.9810	70.5	0.9655	95.5	0.9503
-4.0	1.0120	21.0	0.9963	46.0	0.9807	71.0	0.9652	96.0	0.9500
-3.5	1.0117	21.5	0.9959	46.5	0.9804	71.5	0.9649	96.5	0.9497
-3.0	1.0114	22.0	0.9956	47.0	0.9801	72.0	0.9646	97.0	0.9494
-2.5	1.0111	22.5	0.9953	47.5	0.9798	72.5	0.9643	97.5	0.9491
-2.0	1.0107	23.0	0.9950	48.0	0.9794	73.0	0.9640	98.0	0.9488
-1.5	1.0104	23.5	0.9947	48.5	0.9791	73.5	0.9637	98.5	0.9485
-1.0	1.0101	24.0	0.9943	49.0	0.9788	74.0	0.9634	99.0	0.9482
-0.5	1.0098	24.5	0.9940	49.5	0.9785	74.5	0.9631	99.5	0.9479

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t	M	t	M	t	M	t	M	t	M
100.0	0.9476	125.0	0.9326	150.0	0.9177	175.0	0.9031	200.0	0.8886
100.5	0.9473	125.5	0.9323	150.5	0.9174	175.5	0.9028	200.5	0.8883
101.0	0.9470	126.0	0.9320	151.0	0.9171	176.0	0.9025	201.0	0.8880
101.5	0.9467	126.5	0.9317	151.5	0.9168	176.5	0.9022	201.5	0.8877
102.0	0.9464	127.0	0.9314	152.0	0.9165	177.0	0.9019	202.0	0.8874
102.5	0.9461	127.5	0.9311	152.5	0.9163	177.5	0.9017	202.5	0.8872
103.0	0.9458	128.0	0.9308	153.0	0.9160	178.0	0.9014	203.0	0.8869
103.5	0.9455	128.5	0.9305	153.5	0.9157	178.5	0.9011	203.5	0.8866
104.0	0.9452	129.0	0.9302	154.0	0.9154	179.0	0.9008	204.0	0.8863
104.5	0.9449	129.5	0.9299	154.5	0.9151	179.5	0.9005	204.5	0.8860
105.0	0.9446	130.0	0.9296	155.0	0.9148	180.0	0.9002	205.0	0.8857
105.5	0.9443	130.5	0.9293	155.5	0.9145	180.5	0.8999	205.5	0.8854
106.0	0.9440	131.0	0.9290	156.0	0.9142	181.0	0.8996	206.0	0.8851
106.5	0.9437	131.5	0.9287	156.5	0.9139	181.5	0.8993	206.5	0.8849
107.0	0.9434	132.0	0.9284	157.0	0.9136	182.0	0.8990	207.0	0.8846
107.5	0.9431	132.5	0.9281	157.5	0.9133	182.5	0.8988	207.5	0.8843
108.0	0.9428	133.0	0.9278	158.0	0.9130	183.0	0.8985	208.0	0.8840
108.5	0.9425	133.5	0.9275	158.5	0.9127	183.5	0.8982	208.5	0.8837
109.0	0.9422	134.0	0.9272	159.0	0.9124	184.0	0.8979	209.0	0.8835
109.5	0.9419	134.5	0.9269	159.5	0.9121	184.5	0.8976	209.5	0.8832
110.0	0.9416	135.0	0.9266	160.0	0.9118	185.0	0.8973	210.0	0.8829
110.5	0.9413	135.5	0.9263	160.5	0.9115	185.5	0.8970	210.5	0.8826
111.0	0.9410	136.0	0.9260	161.0	0.9112	186.0	0.8967	211.0	0.8823
111.5	0.9407	136.5	0.9257	161.5	0.9109	186.5	0.8964	211.5	0.8820
112.0	0.9404	137.0	0.9254	162.0	0.9106	187.0	0.8961	212.0	0.8817
112.5	0.9401	137.5	0.9251	162.5	0.9104	187.5	0.8959	212.5	0.8815
113.0	0.9397	138.0	0.9248	163.0	0.9101	188.0	0.8956	213.0	0.8812
113.5	0.9394	138.5	0.9246	163.5	0.9098	188.5	0.8953	213.5	0.8809
114.0	0.9391	139.0	0.9242	164.0	0.9095	189.0	0.8950	214.0	0.8806
114.5	0.9388	139.5	0.9239	164.5	0.9092	189.5	0.8947	214.5	0.8803
115.0	0.9385	140.0	0.9236	165.0	0.9089	190.0	0.8944	215.0	0.8800
115.5	0.9382	140.5	0.9233	165.5	0.9086	190.5	0.8941	215.5	0.8797
116.0	0.9379	141.0	0.9230	166.0	0.9083	191.0	0.8938	216.0	0.8794
116.5	0.9376	141.5	0.9227	166.5	0.9080	191.5	0.8935	216.5	0.8792
117.0	0.9373	142.0	0.9224	167.0	0.9077	192.0	0.8932	217.0	0.8789
117.5	0.9371	142.5	0.9222	167.5	0.9075	192.5	0.8930	217.5	0.8786
118.0	0.9368	143.0	0.9219	168.0	0.9072	193.0	0.8927	218.0	0.8783
118.5	0.9365	143.5	0.9216	168.5	0.9069	193.5	0.8924	218.5	0.8780
119.0	0.9362	144.0	0.9213	169.0	0.9066	194.0	0.8921	219.0	0.8778
119.5	0.9359	144.5	0.9210	169.5	0.9063	194.5	0.8918	219.5	0.8775
120.0	0.9356	145.0	0.9207	170.0	0.9060	195.0	0.8915	220.0	0.8772
120.5	0.9353	145.5	0.9204	170.5	0.9057	195.5	0.8912	220.5	0.8769
121.0	0.9350	146.0	0.9201	171.0	0.9054	196.0	0.8909	221.0	0.8766
121.5	0.9347	146.5	0.9198	171.5	0.9051	196.5	0.8906	221.5	0.8763
122.0	0.9344	147.0	0.9195	172.0	0.9048	197.0	0.8903	222.0	0.8760
122.5	0.9341	147.5	0.9192	172.5	0.9046	197.5	0.8901	222.5	0.8758
123.0	0.9338	148.0	0.9189	173.0	0.9043	198.0	0.8898	223.0	0.8755
123.5	0.9335	148.5	0.9186	173.5	0.9040	198.5	0.8895	223.5	0.8752
124.0	0.9332	149.0	0.9183	174.0	0.9037	199.0	0.8892	224.0	0.8749
124.5	0.9329	149.5	0.9180	174.5	0.9034	199.5	0.8889	224.5	0.8746

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 LEGEND: t = Observed Temperature in Degrees Celsius
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t	M	t	M
225.0	0.8743	250.0	0.8602
225.5	0.8740	250.5	0.8599
226.0	0.8737	251.0	0.8596
226.5	0.8735	251.5	0.8594
227.0	0.8732	252.0	0.8591
227.5	0.8729	252.5	0.8588
228.0	0.8726	253.0	0.8585
228.5	0.8723	253.5	0.8582
229.0	0.8721	254.0	0.8580
229.5	0.8718	254.5	0.8577
230.0	0.8715	255.0	0.8574
230.5	0.8712	255.5	0.8571
231.0	0.8709	256.0	0.8568
231.5	0.8707	256.5	0.8566
232.0	0.8704	257.0	0.8563
232.5	0.8701	257.5	0.8560
233.0	0.8698	258.0	0.8557
233.5	0.8695	258.5	0.8554
234.0	0.8693	259.0	0.8552
234.5	0.8690	259.5	0.8549
235.0	0.8687	260.0	0.8546
235.5	0.8684	260.5	0.8543
236.0	0.8681	261.0	0.8540
236.5	0.8678	261.5	0.8538
237.0	0.8675	262.0	0.8535
237.5	0.8673	262.5	0.8532
238.0	0.8670	263.0	0.8529
238.5	0.8667	263.5	0.8526
239.0	0.8664	264.0	0.8524
239.5	0.8661	264.5	0.8521
240.0	0.8658	265.0	0.8518
240.5	0.8655	265.5	0.8515
241.0	0.8652	266.0	0.8512
241.5	0.8650	266.5	0.8510
242.0	0.8647	267.0	0.8507
242.5	0.8644	267.5	0.8504
243.0	0.8641	268.0	0.8501
243.5	0.8638	268.5	0.8498
244.0	0.8636	269.0	0.8496
244.5	0.8633	269.5	0.8493
245.0	0.8630	270.0	0.8490
245.5	0.8627	270.5	0.8487
246.0	0.8624	271.0	0.8484
246.5	0.8622	271.5	0.8482
247.0	0.8619	272.0	0.8479
247.5	0.8616	272.5	0.8476
248.0	0.8613	273.0	0.8473
248.5	0.8610	273.5	0.8470
249.0	0.8608	274.0	0.8468
249.5	0.8605	274.5	0.8465