

THE DEPARTMENT OF TRANSPORT SPECIFICATION FOR HIGHWAY WORKS

TABLE 8/4 : COMPACTION REQUIREMENTS FOR UNBOUND MIXTURES

TYPE OF COMPACTION PLANT	CATEGORY	BOMAG MODEL	NUMBER OF PASSES FOR LAYERS NOT EXCEEDING THE FOLLOWING COMPACTED THICKNESSES		
			110 mm	150 mm	225 mm
SMOOTH WHEELED ROLLER (OR VIBRATING ROLLER OPERATING WITHOUT VIBRATION)	Mass per metre width of roll: Over 2700 kg up to 5400 kg	BW211D-4/4i BW213DH-4/4i BW214DH-4/4i BW216DH-4/4i BW213D/DH5 BW214D5 BW216D/DH5 BW6	16	Unsuitable	Unsuitable
		BW141AD-4 BW154AD-4 BW161AD-4 BW 161 AD-5	8	Unsuitable	Unsuitable
	Over 5400 kg	BW219DH-4/4i BW226DH-4/4i BW219D/DH5 BW226DH5	8	16	Unsuitable
VIBRATORY ROLLER	Mass per metre width of vibrating roll: Over 700 kg up to 1300 kg	BW71E-2	16	Unsuitable	Unsuitable
		BW80AD-2 BW90AD-2 BW100ADM-2 BW80ADH-2 BW80AD-5 BW90AD-5 BW100ADM-5 BW100AD-4 BW120AD-4 BW120AD-5	8	Unsuitable	Unsuitable
	Over 1300 kg up to 1800 kg	BW135AD BW138AD BW124DH BW135AD-5 BW138AD-5 BW 145D-5 BW145 DH-5	3 6	8 16	Unsuitable Unsuitable
		Over 1800 kg up to 2300 kg	BW145D-3 BW145DH-3	4	6
	Over 2300 kg up to 2900 kg	BW177D-4 BW177DH-4 BW177D/DH5	3	5	9
		BW141AD-4 BW151AD-4 BW141AD-5 BW151AD-5 BW 154AD-5 BW 154AP-4 BW 174 AP-4i BW154AD-4	2	3	5
	Over 2900 kg up to 3600 kg	BW211D-4/4i BW213DH-4/4i BW213D/DH5 BW6	3	5	9
		BW161AD-4 BW 161 AD-5	2	3	5
	Over 3600 kg up to 4300 kg	BW214DH-4/4i BW214D5	2	4	7
	Over 4300 kg up to 5000 kg	BW216D-4/4i	2	4	6
	Over 5000 kg	BW216DH-4i BW219DH-4i BW226DH-4i BW216D/DH5 BW219D/DH5 BW226DH5	2	3	5
	VIBRATING PLATE COMPACTOR	Mass per square metre of base plate: Below 1400 kg/2	BVP10/36 BVP18/45 BP10/35 BP12/40 BP12/50A BP20/50D BP6/30 BP8/34 BP10/36-2 BP18/45-2 BP18/45D-2 BPR25/45-3 BPR25/40D BPR25/50D BPR35/60D	SEE CLAUSE 802, SUB-CLAUSE 3 For procedure on use of alternative methods (Testing by proof rolling).	
Over 1400 up to 1800 kg/m2			BPR35/42D BPR45/55D BPR55/65D BPR70/70D	8	Unsuitable
Over 2100 kg/m2		BPH80/65S BPR100/80D	3	6	10
VIBRO TAMPER	Mass : Over 50 kg up to 65 kg	BT60/4	4	8	Unsuitable
	Over 65 kg up to 75 kg	BT65/4	3	6	10
	Over 75 kg	BT80D	2	4	8