

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	BW211D4/4i BW213D/DH4/4i BW214DH4/4i BW216DH4/4i BW211D/DH5 BW213D/DH5 BW214D5 BW216D/DH5 BW6	16	Unsuitable	Unsuitable
		BW141AD4 BW151AD5 BW154AD4 BW161AD4 BW161D-5	8	Unsuitable	Unsuitable
	Over 5400 kg	BW219DH4/4i BW226DH4/4i BW219D5 BW226DH5	8	16	Unsuitable
VIBRATORY ROLLER	Mass per/metre width of vibrating roll: Over 700 kg up to 1300 kg	BW71E2	16	Unsuitable	Unsuitable
		BW80/90AD/ADH2 BW100ADM2 BW80/90AD5 BW100ADM5 BW100/120AD4 BW120AD5	8	Unsuitable	Unsuitable
	Over 1300 kg up to 1800 kg	BW135/138AD BW135/138AD5 BW124DH3 BW145D/DH5	3 6	8 16	Unsuitable Unsuitable
		Over 1800 kg up to 2300 kg	BW141D5 BW151D5 BW197DH5	4	6
	Over 2300 kg up to 2900 kg	BW177D/DH4 BW177D/DH5	3	5	9
		BW141/151AD4 BW141/151D5 BW154AD5 BW154AP4 BW174AP4i	2	3	5
	Over 2900 kg up to 3600 kg	BW211D4/4i BW211D/DH5 BW213DH4/4i BW213D/DH5 BW6	3 2	5 3	9 5
		Over 3600 kg up to 4300 kg	BW214DH4/4i BW214D5	Unsuitable	4
	Over 4300 kg up to 5000 kg	BW216D4	Unsuitable	4	6
	Over 5000 kg (BVC products)*see below	BW216DH4/4i BW219DH4/4i BW226DH4i BW216D/DH5 BW219D5	Unsuitable Unsuitable	3 Unsuitable	5 5
		BW226DH/Di5			
VIBRATING PLATE COMPACTOR	Mass per square metre of base plate: Below 1400 kg/2	BVP10/30&10/36 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 BVT60/4	4	8	Unsuitable
		Over 65 kg up to 75 kg	BT65/4	3	6
	Over 75 kg	BT80D	2	4	8

The Bomag VARIOCONTROLLED roller (BVC) specially designed exciter system for sensitive to powerful compaction requirements achieved from automatic adjustment of the amplitude. Something not offered by standard rollers.

