

BASE SPECIFICATION – POROUS SURFACE – SINGLE COURSE MACADAM

Base Construction

Base construction is a vital part of any synthetic surface installation. The notes below are produced for guidance only and may have to be varied because of local site conditions. An adequate sub-surface drainage system may be required. The foundation materials should be placed on an approved formation or sub-grade.

Sub-Base

It should be free draining, clean graded, frost resistant, angular stone thoroughly compacted and laid to required falls. The thickness of sub-base should be determined after examination of ground conditions.

Open Graded Macadam Course

40mm average consolidated thickness of 10mm nominal size aggregate open graded macadam prepared and laid in accordance with BS 4987: part 1: 1993 group three (7.2) 100 penetration grade straight run bitumen for machine laying or 200 pen straight run bitumen for hand laying and transported, laid and compacted in accordance with BS 4987: part 2: 1993.

Under no circumstances should fluxing oils / cut back be used in the macadam.

Tolerance

Multi Sport and Pitch Surfaces: Finished tolerances of +/- 3mm in general level are required with a maximum local deviation of 3mm under a 3 metre straight edge placed in any direction.

Play Surfaces: The permitted finished surface irregularity of the bitumen macadam shall be no greater than 5mm under a 3 metre straight edge placed in any direction.

N.B. Existing macadam bases, subject to inspection, may be suitable for surfacing.

