

Roads / Hardstandings - Macadam

To facilitate this ambition of getting the quality right, these checks should take place:

- Ensure formation suitable and to specification, (proof rolling / vane, etc.)
- Have all services / ducts and drains required been installed?
- Determine which materials need frost susceptibility certificates. This test can take several weeks
- Ensure capping is to specification, material thickness, moisture content, compaction, (proof rolling / CBR etc.)
- Ensure sub-base to specification, material thickness, moisture content, compaction, (proof rolling / CBR etc.). Is the surface tolerance compatible with the overlying layers?
- 'Type 1' material requires grading certificate
- Consider changing to a higher quality material to allow continuity in poor weather
- Compaction of materials other than Type 1 requires close control of moisture content
- Is the tarmac to be machine or hand-laid? Hand lay can be very variable
- Is the wearing course suitable for its application? Is the thickness compatible with the size of aggregate? Seek guidance
- Check grading and binder contents of base course and wearing course
- Check delivery and laying temperatures of bituminous materials. Delivery - base 150/195°C. wearing 160/195°C approx.
- Laying - base 110°C, wearing 130°C approx. Check the specifications and BS.
- Beware the cooling effects of wind
- Check that the preparation of oil joints in base and wearing is correct and that joints are offset a min of 300mm from those below
- Ensure compaction is to the specification
- Check Polished Stone Value (PSV) and Aggregate Abrasion Value (AAV) of chippings and aggregate
- Ensure adequate spread of chippings in hot rolled asphalt (usually 10-14 kg/m)
- Also check embedment - inadequate embedment can cause plucking out
- Check that all edge joints have been cut properly, cleaned and tack coated
- Check that the bituminous thicknesses have been checked by dipping
- Ensure Marshall Asphalt equipment has been calibrated

Our Quality vision:

We will get it right first time on all our projects
by delivering exceptional customer service

