

Rubber Bonding Installation Guide.

Tools required:

- Paddle mixer
- White Spirit
- Assorted Trov
- Depth Block
- Gauntlet Glov
- Wheelbarrow(s)
- Bucket(s)
- Measuring Jug & Funnel
- Straight Edge
- Vegetable Oil



Initial Assessment required:

It is essential certain criteria assessed considered before proceeding to apply 'Rubber Bonding', namely:

- Depth of bonding to be applied, what is the Critical Fall Height of the play equipment!
- Am I laying it at the correct depth as a result of the above?
- Does the Critical Fall Height therefore determine a rubber base should be installed?
- Does the area drain adequately?

Critical Fall Height –Tested on Concrete, results achieved when tested in accordance with BSEN1177

Depth of Rubber:

40mm:

50mm:

75mm:

Fall Height Determined:

1.7m

1.9m

2.7m

Secondary Assessment required:

- Is there rainfall forecasted? We strongly advise undertaking this type of application during a 24 hour 'rain free' period.
- Will the area be cordoned off? The area should be made inaccessible to Children and pets whilst the bonding is being laid or is 'curing'.

Once the above has been taken into consideration and all of the relevant boxes are ticked you can start the process.

Site Preparation:

One of the key advantages to this type of application determines there may be very little site preparation required.

The site needs to be free draining as an area which collects the water will not only prevent the bonding from curing but the bonding will never function correctly.

If the area is prone to collecting water, consider installing land drains to dispel the water, if you are unsure of this procedure seek professional assistance from a qualified ground worker or from our Sales Office.

Sub base:

A sub base consisting of MOT Type 1 and a blinding layer of limestone dust maybe required for commercial playground applications where the surface will be under far more duress and active use, in most domestic applications all that is required is a firm base, this could be tarmac, concrete, paving, or compacted soil and aggregate.



Once the area has been deemed free draining and 'good to go', ensure all of the relevant materials are close to hand.

Apply a heavy duty geotextile membrane to the entire area and secure with fixing pegs.



Start the Paddle mixer and tip in the 'Rubber Mini Mulch'.

Carefully mix the resin binder with the 'Rubber Mini Mulch' at a rate of 18%-20% by weight.

Therefore, for every 10kgs of Rubber Mini Mulch apply 1.8kgs -2.0kgs of resin binder.

Allow the blend to mix for approximately 2-3 minutes dependent on the quantity in the drum.



Once blended, carefully tip the mixture into the wheelbarrow.



Applying the mixture:

By wiping your trowel with vegetable oil, it will ensure the mixture slides off the trowel easily.

Using the depth block to determine the required depth, apply the mixture directly onto the geotextile membrane, applying pressure softly onto the mix to remove excess air pockets.

Apply the mixture level and finish with the trowel to achieve a level, smooth finish.



The edges can either be rounded off, chamfered to ground level or alternatively run up to perimeter boards or Rubber Border Edgings (all available upon request).



Conclusion:

Once the job is finished, clean all of the tools with white spirit.

Do not step onto the play area for 24 hours.

Children can start to play on the area after 72 hours.

Refer to our Monthly maintenance guide to help keep the bonding in pristine condition.

For further information please call our Sales Office on 01538 755422.