

Installation Instructions

We have developed and tested to EN1177 an additional 50mm thickness **Compliant Play Tile** which achieved a much higher Critical Fall Height than under the old BS5696.

*This **Compliant Play Tile** has NOT been tested to BS7188-SI Severity Index.*

It HAS been tested to En1177 – HIC Head Injury Criterion.

*On the new, enclosed price list you will see that we have named the new 50mm **Compliant Play Tile** as 50mmEN.*

*Using this new **Compliant Play Tile**, you will see that you will be able to achieve a greater Critical Fall Height to EN1177 standard, creating a considerable cost saving.*

We have also received a growing number of enquiries regarding black carbon release and gaps appearing in **Compliant Play Tile** installations. We feel we should remind you of our installation guidelines and guarantee conditions and we have enclosed a copy of each document for your use.

To help avoid gaps forming in **Compliant Play Tile** installations, you must use the correct type and amount of adhesive.

It is VERY IMPORTANT that you take heed of these guidelines in order to help avoid future problems for yourself and your Compliant Play Tile installations. Please take the time to read these guidelines yourself and ensure that your installation team are aware of, and acting upon its contents.

Please remember that because of black carbon release, standard SBR rubber **Compliant Play Tiles** are best suited for field applications only and are not recommended for special projects, i.e. Crèches, hospitals, schools and particularly areas where you can walk from the **Compliant Play Tiles** straight indoors. To assist with this black carbon release problem, we supply a range of EPDM Compliant Play Tiles.

Compliant Play Tiles, like all rubber, are sensitive to climatic conditions. They will curl and contract by up to 15% in hot weather and expand by up to 15% in wet weather. The correct application of adhesive will help prevent **Compliant Play Tiles** lifting and gaps forming. If gaps appear in your installation which close after wet weather then the correct type, amount or use of adhesive has not been followed.

Standard black or dyed SBR Rubber **Compliant Play Tiles** will release a carbon black as they age and particularly in hot weather. Standard green and red – especially 20mm and 25mm thick **Compliant Play Tiles** should NEVER be laid on fresh concrete as the alkaline in the uncured cement will cause a blue discolouration of the **Compliant Play Tile**. When installing green, red and black SBR Rubber **Compliant Play Tiles** in the same installation, the installer should be aware that due to raw material implications, each colour **Compliant Play Tile** will differ in size. Although difference is minimal, particular care on installation of chequer-board patterns should be taken.

To help prevent future problems with all **Compliant Play Tile** installations, these installation instructions MUST be followed. **Compliant Play Tiles** can be cut using a jigsaw or sharp trimming knife.



sportsequip.co.uk

The Manor, Tur Langton, Leicestershire LE8 0PJ

tel: 01858 545789 | fax: 01858 545890

e-mail: sales@sportsequip.co.uk | website: www.sportsequip.co.uk

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ADHESIVES:

THE USE OF ADHESIVES OTHER THAN **COMPLIANT PLAY TILE** 2 PART AND 310ML CARTRIDGES IS NOT RECOMMENDED AND WILL INVALIDATE ANY GUARANTEE ISSUED.

COMPLIANT PLAY TILE 6.8KG 2 PART ADHESIVE

No more than 6m² of **Compliant Play Tiles** should be laid to each 6.8kg Pack.

NEVER mix the two components manually – a mechanical mix is needed to ensure a thorough mix.

COMPLIANT PLAY TILE 310ML CARTRIDGE ADHESIVE

No more than 2m² of Compliant Play Tiles should be laid to each 310ml cartridge.

GENERAL ADHESIVE GUIDELINES:

Always use the CORRECT amount of adhesive.

Ensure that the solid base is DRY, clean and free of dust.

Ensure that at least 50% of the underside of **Compliant Play Tiles** have adhesive applied.

Always apply adhesive ensuring **Compliant Play Tile** feet are well covered to ensure a secure bond.

Particular attention MUST be paid to the correct fusion of the **Compliant Play Tile** edges.

Rub the edges of the **Compliant Play Tiles** with an abrasive coarse paper to remove surplus silicone before applying the adhesive. One or two strokes in each direction is enough.

When laying **Compliant Play Tiles** in hot weather, lightly spray water onto the **Compliant Play Tile**, just before applying the adhesive.

When laying **Compliant Play Tiles** in hot weather, keep the adhesive cool at all times. Store it in a fridge and take to the site in a cool box. This will stop the adhesive becoming runny and dripping off the **Compliant Play Tile** before a good bond has formed.

COMPLIANT PLAY TILES WILL SHRINK AND EXPAND DUE TO CLIMATIC CONDITIONS, BUT THE CORRECT USE OF THE TWO RECOMMENDED ADHESIVES WILL DECREASE THE LIKELIHOOD OF **COMPLIANT PLAY TILES** CURLING AND GAPS APPEARING.

FLUSH MOUNTING USING CONCRETE EDGES

We do not recommend the use of wooden edges as it is difficult to achieve the necessary tight fit required to prevent future gaps.

Excavate the site to a depth of 100mm, plus the thickness of the appropriate **Compliant Play Tile**. Allowances should be made for drainage as a continuously waterlogged site will accelerate the breakdown of the adhesives bond. M.O.T. Type 1 Road Stone can also be used beneath the 100mm concrete layer for improved drainage.

For domestic use only, **Compliant Play Tiles** can be laid on a leveled sand base, although this will not provide a permanent maintenance-free base.

The base should be prepared to the size of the calculated **Compliant Play Tile** area. Therefore, it must be level or the **Compliant Play Tiles** will have uneven edges which could cause accidents. **Compliant Play Tiles** are moulded to a +/-1mm thickness tolerance and will measure over 1000mm² when new. As a rough guide a 20mm **Compliant Play tile** will measure 1002mm² and a 90mm thick **Compliant Play Tile** will measure 1006mm² and the concrete base should be measured accordingly.



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It is ESSENTIAL that **Compliant Play Tiles** are 'shoe-horned' into their prepared base to create a tight fit which will allow the **Compliant Play Tiles** to contract during climatic change without leaving gaps.

Before laying **Compliant Play Tiles** ensure the surface is dry, clean and dust free. Concrete curing specifications should be followed as recommended by the adhesive manufacture. However, we suggest that one month should elapse between the laying of the concrete or tarmac and the bonding of the **Compliant Play Tiles** to it.

As the laying of **Compliant Play Tiles** commences it is advisable to lay one row without applying the adhesive to obtain a suitable datum line. On approaching the equipment, mark and cut around the legs etc. using a sharp trimming knife or jigsaw. Care should be taken to be as precise as possible as any errors at this stage will escalate as more **Compliant Play Tiles** are laid.

Lay the **Compliant Play Tiles** always pushing them tightly up against each other and ensuring they do not bounce back. It is important to check the alignment of the **Compliant Play Tile** edges and cruciform pattern as you go.

SURFACE MOUNTED INSTALLATIONS.

These installations are more likely to suffer from gaps in extreme climatic conditions because they have no supporting edging to hold the **Compliant Play Tiles** in the really tight fit required.

However, we recommend that particular attention is applied to the adhesive on ramp edges and corners to prevent lifting and vandalism. Weights may be placed onto the outer tiles to ensure secure bonding.

