

# **APPLICATION'S GUIDE TEAIS PLAYGRUOND AND SAFETY FLOORING**

**ELASTIC AND CONTINUOUS PLAYGROUND SYSTEM BASED ON  
RUBBER AND RESINS**



- Recycled and ecologic.
- Resistant, repairable and durable.
- Flexible, amortizing and anti-slipping.
- Decorative and customizable.
- Rot-proofing, easy cleaning and maintenance.



[www.teais.es](http://www.teais.es)

## TEAIS PLAYGROUND AND SAFETY FLOORING

*Teais playground flooring, is an elastic and continuous pavement designed for its instalation on areas where a safety pavement is necessary, such as infantile parks, children playgrounds, tree surrounds, etc...*

*Its application on pre-existing firm surfaces such as concrete screeds, terrazzo pavements, asphaltic layers, etc, is possible.*



***Teais Playground Flooring is comprises of a sucesion of layers consisted of the next products:***

### TEAIS CAPA BASE SG

*Granulated product made of rubber produced mechanically from recycled rubber with particle-size between 2 and 4 mm.*



### TEAIS CAPA COLOR SG

*Granulated product made of SBR rubber, produced from recycled rubber with a special treatment for fixing and increasing the colour resistance once it is applied. Particle-size between 2 and 4 mm.*



### TEAIS POL SG

*Special binder based on aromatic polyurethane resins, with high capacity to join rubber shredded. It is used on the base layer with black rubber.*



### TEAIS POL SG TOP

*One-component aliphatic polyurethane with high adherence and cohesive power, specially designed for rubber shredded joining and to resist exposure to UV. It is used on the finish layer with rubber with different colours.*



***TEAIS PLAYGROUND FLOORING can be applied on asphalt agglomerate, concrete screeds, terrazzo pavements, etc...***



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## APPLICATION

### PREPARATION OF THE SURFACE

1. Powder support, dirt and building scrap must be cleaned. On asphalt agglomerate supports, is possible the application of **Teais playground flooring** system directly.

On firm supports such as concrete screeds, mortar, ceramic-tiles, etc... the preparation of the support can be different depending on the vapour barrier:

-**With vapour barrier:** an **IMPRIDUR** layer must be applied.

-**Without vapour barrier:** one layer of 2 mm self-levelling epoxy mortar **DUREPOX AUTONIVELANTE** must be applied.



Application of IMPRIDUR on a screed with vapour barrier.



Application of DUREPOX self-levelling on screeds without vapour barrier.



### BASE COATING

2. The shredded of **TEAIS CAPA BASE SG** must be mixed with **TEAIS POL SG**. The mixture must be done by concrete mixer, low revolution electric mixer or manually until achieving a homogeneous appearance.



The mixture must be done at 10% of TEAIS POL SG to TEAIS CAPA BASE SG weight.

3. The mixture must be spreaded and compacted pressing it by a trowel.



The thickness of the floor needed for users safety must be calculated according the standard UNE EN 117 and UNE EN 1176-1.

Down below is showed a table which relating the height of fall (HIC) with the suitable floor thickness. The provided measures respond to the total of base coat and colour coat (5mm approx).

Maximum Height (meters)	1.00	1.30	1.50	1.60	1.70	1.90	2.30	3.00
Pavement Thickness (mm)	30	40	50	60	70	80	100	150



## APPLICATION

### COLOUR LAYER

4. Mix **TEAIS CAPA COLOR SG** with **TEAIS POL SG TOP** at 12% of shredded weight. It can be done by concrete-mixer, low revolution electric mixer or manually until achieving an homogeneous appearance.



5. Spread the mixture and then compact it by putting pressure by a trowel.



### DESIGNS AND SHAPES

*Different designs and shapes must be done during the colour coating application.*



For further information or technical support call **+34 981 602 111** or send an e-mail to **comex@teais.es**



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## CONSIDERATIONS TO BE TAKEN INTO ACCOUNT

### PLACING OF FIXED ELEMENTS

The elements that require a fixed placing such as playgrounds, swings, trees, etc... must be placed **before** the application of **TEAIS PLAYGROUND FLOORS**. It should be taken into account the final thickness of the pavement before placing the fixed elements.



### DAMPNESS

The support and the rubber shredded must be dry at the time of application. Once the process is finished it is recommended to avoid the exposure to watering, rainfall or intense dews in the next 12 hours.

### CLEANING AND TOOLS PROTECTION

The tools must be cleaned with **DISOLUAI** while the product is wet. Once it is dry the cleaning becomes harder and it must be done by mechanical means.

In order to protect the wheelbarrow or any element of mixture's transport it is recommended to protect them with something made of plastic as the picture shows.



### AVAILABLE COLOURS

( Approaches to RAL colour chart )



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5010



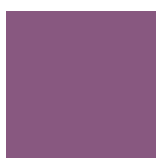
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