

SPORTS **FLOOR**



AMORIM  
CORK COMPOSITES

# Reinventing comfort under your feet

High performance  
final floor







**Sport Surfaces**

## From a linear “take, make, dispose” economic model to a circular economy

Today's linear economic model relies on large quantities of cheap, easily accessible materials and energy and is currently reaching its physical limits.

A circular economy is an attractive, more sustainable and viable alternative that Amorim Cork Composites has already started implementing today. It is a regenerative system in which resource inputs and waste, emission, and energy leakage are minimized by slowing, narrowing and closing material and energy loops. This can be achieved through long-lasting design, maintenance, repair, reuse, remanufacturing, refurbishing, and recycling.

This reduction of the system's resource inputs and waste and emission leakage reduces resource depletion and environmental pollution.

The incorporation of post-consumer materials is completely aligned with the company's environmental strategy. Amorim Cork Composites believes that by using recycled materials, with adequate available resources, in terms of quality and quantity, we are making an important contribution to the necessary transition from a linear to a circular economy.



**Anti-slip**



**Long and extended  
life-cycle**



**Easy installation  
and maintenance**



**High durability**



**Resistance to scratches  
and indentations**



**Impact absorber**





SPORTSFLOOR,  
a versatile surface

## Amorim SPORTSFLOOR, an effective and sustainable solution for all sports surfaces.

SPORTSFLOOR is manufactured using a combination of different elastomers to achieve a unique level of flexibility, wear resistance and impact absorption.

Our brand incorporates the sheer quality of the final recycled rubber floor surface. We convert **post consumer tyres** (but only the buffings derived from tyre treads, avoiding contaminants, such as plastics from the tyre's hardened sidewall and metal or nylon

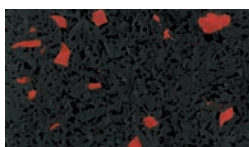
from the tyre's belts) and other waste rubber into recycled rubber of such high quality that it can be recycled at the end of the product's life cycle. Thus, we contribute towards reducing our environmental impact, thereby helping ensure **environment sustainability**.

Amorim SPORTSFLOOR is not only recyclable but also compliant with both **indoor air quality** and low Volatile Organic Compound (VOC) emission requirements.

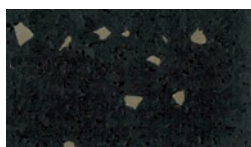
## COLOURS



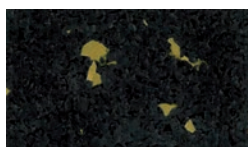
409 Terra Cota Red



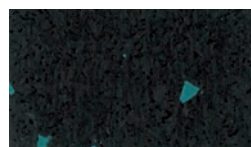
412 Lipstick Red



416 Brown



417 Gold



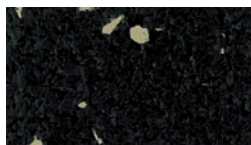
498 Teal



492 Eggshell



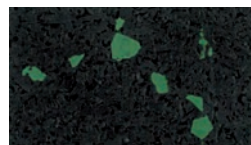
495 Orange



423 Tan



425 Gray



426 Green



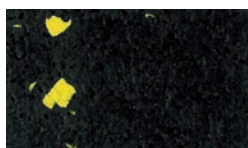
427 Blue



405F Black



496 Purple



497 Yellow

## DIMENSIONS

Width (mm)	Length (m)	Thickness (mm)
1220	10	7.5

Other dimensions available upon request

## PHYSICAL AND MECHANICAL PROPERTIES

	Test Method	Result
Shore Hardness (Shore A)	ASTM D2240-97	60
Density	ASTM D297-93	1025 kg/m <sup>3</sup>
Compressibility at 100psi	ASTM F36-95	12%
Recovery at 100psi	ASTM F36-95	85%
Flexibility	ASTM F137-71	F=1
Tensile Strength	ASTM D412-98a	>3 MPa
Tear	ASTM D624-98	>0.8 MPa
Compression Set (22 hours at 70 °C)	ASTM D395-98	25% deflection: 40% 50% deflection: 30%
Coefficient to Friction	ASTM D1894-95	Dry: 1.33 Wet: 1.56
Critical Radiant Flux	ASTM E 648-99	0.1 W/cm <sup>2</sup>
Flammability and Flame Spread	DOC FFI-70 CSPC	Pass
Indoor Abrasion (% of material loss)	ASTM C501-84	0.24%
Resistance to Chemical Attack (Test with: ammonia, bleach, disinfectant, Alcohol, Tide, 5% NaOH Solution, Human Sweat)	ASTM F925-97	No surface attack or colour change
Instrumented Impact, absorbed energy at rupture	ASTM D3763-00	27 Joules
Static Load Limit, Residual Compression	ASTM F970-98	0.04 mm
Compression Endurance	10,000 fatigue cycles at 50% displacement	5% set



# Applications

## Leisure and others

- Libraries
- Study rooms
- Storage areas
- Bathrooms and restrooms
- Foyers/Waiting rooms
- Conference rooms
- Access areas, ramps and stairways
- Walkways, paths and running tracks

## Sporting

- Fitness Centres
- Gymnasiums
- Ice rinks
- Training areas
- Access ramps
- Pathways and running track

The data provided in this brochure refers to typical figures. This information is not intended to be used as a purchasing specification and does not imply suitability for use in any specific application. Failure to select the proper product may result in either product damage or personal injury. Please contact Amorim Cork Composites regarding recommendations for specific applications. Amorim Cork Composites expressly disclaims all warranties, including any implied warranties of merchantability or of fitness for any particular purpose. Amorim Cork Composites shall not be liable for any indirect, special, incidental, consequential or punitive damages as a result of using the information listed in this brochure, any of its material specification sheets, its products or any future use or re-use of them by any person or entity. For contractual purposes, please request our Product Specifications Sheet (PDA).





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