

Dynamic 701

Product Data Sheet



Product Description & Properties



Amorim Dynamic 701 is a dimpled PUR-bonded cork, recycled rubber (SBR) and recycled EVA, specifically engineered for use under artificial turf system and for highest level of elite sport.

Benefits

Sports function

- Perfect shock absorption
- Gentle on joints, muscles, tendons and ligaments
- High level of elasticity for additional cushioning comfort

Construction

- Exceptional drainage characteristics
- Designed to perform with most major manufactured artificial turf systems
- Constant properties, even in areas of high-frequency use
- Weatherproof and long-lasting, and will not rot, harden or become brittle over time

Sustainability

- Post consumer recycled materials
- Recyclable
- Even when a turf system is in need of replacement, the existing Amorim Dynamic 701 can be reused under the new system.

Standard dimensions

Thickness (mm) 10 (wave)

Width x Length (m) 1x15 · 39,37" x 59'

Note: custom dimension available upon request

Physical and mechanical properties

Density (kg/m³) (lb/ft³)¹ 550-675 (34-42)

Recovery at 100psi (%)² >80

Compression at 100psi (%)² 25-45

Tensile strength (MPa) (PSI)³ >0.1(14.5)

Force reduction (%)¹ 24.9

Standard vertical deformation (mm)² 3.2

Energy restitution (%)³ 72.4

Infiltration rate (vertical) (mm/hr)⁴ 1811

Horizontal drainage (l/s per m)⁵ 0.097

(¹) FIFA Test Method 04a

(²) FIFA Test Method 05a

(³) FIFA Test Method 13

(⁴) EN 12616:2013

(⁵) EN ISO 12958:2010

Application

Check the dimension of each rolls and the number of rolls in order to fit with the field dimensions/needs. Remember, custom dimension are available upon request and the length of each roll should convert into a bit more than half the field width.

Place rolls along both long sides of the field. Make sure subbase is perfectly flat and clean and doesn't compromise the system drainage characteristics. Unbound subbases must be perfectly levelled and compacted before rolls are being unrolled.

Puts first roll in exact position to be unrolled along the outside edge of the field. Make sure that the beginning of the roll is overlapped over the field edge for about 1% of the total roll length. Butt-join the material on the long side to the outside field edge. Continue same procedure roll by roll down the long side of the field.

The ideal temperature to proceed with the shock pad installation is between 10-25°C (50-80F). However, if temperatures are below 10°C (50F), please leave a small gap (around 5mm) between rolls to absolve eventual elongations.

After rolls installation, it is important the application of joint tape but not before allow rolls to adjust (elongations or shrink-age).

If the seams are curved too much (the rolls tend to "tail-out" at beginning and the end and this effect builds up a degree), use a chalk line and cut back material to a straight line from time to time.

After pace end of fibre tape on the beginning of the seam, put a weigh on tape to hold it in place during unrolling tape roll. The tape must be placed exactly over the center of the joint.

Pour an adequate amount of adhesives over the tape and spread adhesive over the total width of tape.

Overlapping rolls ends at the long sides of the field should be cut but only after the turf has been laid.

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