



TECHZONE

RUGBY'S PREMIER TRAINING SYSTEM

SHOCKPAD LAYER

TECHSHOCK 20

Professionally designed as a sport technical performance layer for artificial turf sports fields. Vertical and Horizontal drainage!

As well as the necessary sport technical performance characteristics, the TechShock pad has additional (inplane) drainage channels which ensure adequate gradient drainage of water to complement the vertical drainage capability and in case the artificial turf system is to be built on a sealed or subsequently underperforming existing sub base.

Technical data

Physical

| | | | |
|----------------------------------|-----|-------------------|--|
| Thickness at 0,3 psi (2kPa) load | 20 | mm | |
| Mass per unit area | 3.2 | kg/m ² | |

Strength

| | | | |
|--|------|-----|----------|
| Tensile strength | 0.26 | MPa | EN 12230 |
| Tensile strength after (air) ageing acc. | 0.25 | MPa | EN 12230 |

Performance

| | | | |
|---|------|----|----------|
| Shock absorption | 56 | % | EN 14808 |
| Force reduction | 56 | % | AAA* |
| Energy restitution | 43 | % | AAA* |
| Vertical deformation | 6.8 | mm | AAA* |
| Vertical deformation | 5.3 | mm | EN 14809 |
| Critical fall height (Head Injury Criterion ~ 1000) | 0.68 | m | EN 1177 |

Drainage and isolation

| | | | |
|--|--------|---------------------|----------|
| Water infiltration rate [IA] | 72.000 | mm/hr | EN 12616 |
| Thermal conductivity [λ 10] | 0.05 | W/m.K | EN 12667 |
| (resulting) Thermal resistance [R-value] | 400 | m ² .K/W | EN 12667 |