



SUPERIOR SYNTHETIC TURF by LANO SPORTS

ECOLOGICAL ADVANTAGES of PU COATING

- No water used in manufacture or clean up.
- No anti-microbial - or anti-fungal additives needed.
- No VOC (volatile organic components) or other emission issues.
- Up to 90% less energy consumption per m² than for latex.
- Up to 30% less raw materials consumption.
- PU finished synthetic turf does not smell.
- PU coating is fully cured, solid and chemically stable and inert.



The High-Performance Polyurethane Coating
Lano Sports with **DOW**'s system technology 'ENFORCER™ sport' contributes to
safe & soft & environmentally friendly synthetic turf products

No water used in manufacture or clean up

Unlike latex, the PU compound does not require a water component. Consequently there is no contaminated rinse water and no sludge to dump.

No anti-microbial - or anti-fungal additives needed

With latex, these additives are indispensable for protection before use and during processing plus also in the further life cycle of the product with the risk of reduced tuft lock or delamination.

PU contains only low levels of anti-oxidants for protection from oxidation before use and during processing. These are a completely different class of compounds compared to the antimicrobial agents required for other coatings!

No VOC (volatile organic components) or other emission issues

1 kg of wet compound = approx. 1 kg of solid PU coating. Consequently the emission levels of the PU curing process are very very low.

Up to 90% less energy consumption per m²

Given that there is no water to evaporate, PU coating runs at lower temperatures through the curing oven. In combination with the ultra low emission levels in comparison with latex, it is possible to throttle the oven exhaust to 20% of what is the setting with latex.

Up to 30% less raw materials consumption

The superior characteristics of the PU coating system allow to apply less backing material than with latex whilst still ensuring better quality levels.

The lower weight of the finished rolls also results in a less petrol consumption when transporting the finished goods.

PU finished synthetic turf does not smell

Given the extremely low residual VOC in the finished backing, the carpet does not smell at all.

PU coating is fully cured, solid, chemically stable and inert

The fact that there is no chemical reaction capacity left, makes PU waste easy and safe to dispose of.