



Specification Information ONE-DNA™ Play 24

Responsible Use of Artificial Grass?

ONE-DNA™ Play 24 is an innovative and sustainable artificial grass product specially designed for playgrounds and multifunctional sports fields. This product is fully recyclable thanks to the use of a single polymer, contributing to a more sustainable future.

Safe and Always Playable

ONE-DNA™ Play 24 is an artificial grass mat perfectly suited for fall surfaces in public playgrounds and multifunctional sports fields. The product is made entirely of 100% polyethylene, simplifying recycling and making it an environmentally friendly choice. ONE-DNA™ Play 24 contains no Substances of Very High Concern (SVHC) and is completely safe for use in playful environments.

Product Specifications

- **Type:** Tufted artificial grass
- **Material:** 100% polyethylene (UV stabilized)
- **Yarns:** Environmentally friendly, lead- and cadmium-free
- **Dtex fibers:** 8,800 /l dTex fibrillated straight
- **Backing:** ONE-DNA™ 100% PE 510 gr/m² UV stabilized
- **Fiber fixation:** ONE-DNA™ technology
- **Water permeability:** ≥ 650 liters/min/m² - FreeFlow technology (EN 12616)
- **Pile height:** 24 mm ± 2 mm
- **Woven weight:** 1,017 gr/m² ± 10%
- **Total weight:** 1,527 gr/m² ± 10%
- **Tuft gauge:** 3/8 gauge
- **Stitches per 10 cm linear:** 19 ± 1%
- **Stitches per m²:** 19,950 ± 10%
- **Color:** #45 Green
- **UV stability:** Complies with DIN 53387 standard (6000 hours)
- **Colorfastness:** Xenon Test: Blue Scale > 7, Grey-scale > 4
- **Applications:** Multifunctional play areas
- **Infill:** Silica sand, gradation 0.5 - 1.0 mm, 80% rounded, 25 kg/m²

Installation Information

The installation of ONE-DNA™ Play 24 artificial grass should be carried out according to the manufacturer's guidelines and must take place on a well-prepared, fully flat, and permeable surface. For certain projects, the use of geotextile, shock-absorbing pads, or water-retaining systems under the artificial grass mat is recommended.

Maintenance Information

ONE-DNA™ Play 24 requires minimal maintenance, but regular brushing and removal of leaves and other debris are recommended to preserve the lifespan and appearance of the artificial grass. Specialized maintenance should be performed once a year, including sand infill cleaning, mechanical brushing, drainage control, and safety inspection.

Sustainability and Environmental Information

ONE-DNA™ Play 24 is designed with sustainability as a core value. The use of a single polymer makes the product fully recyclable, contributing to a circular economy and significantly reducing environmental impact. It complies with European regulations for hazardous substances and leaching requirements.



EPD (Environmental Product Declaration)

The contractor must provide a copy of the EPD to the client before the start of work as proof that the artificial grass product meets the specified environmental requirements.

Provisions

- **Safety:** The contractor must provide proof of safety according to the EN-71-3 standard 14 working days before starting the work. ONE-DNA™ Play 24 has been found 100% safe by SGS Intron according to the EN 71-3 standard, in document number A133330/R20220658.
- **PAKs:** The contractor must provide proof of safety in accordance with EU Regulation number 1272/2013 14 working days before starting the work to demonstrate that the product complies with European regulation 1272/2013. ONE-DNA™ Play 24 complies with EU regulation number 1272/2013, in document number A133330/R20220658.
- **Circularity:** The contractor must provide proof of circularity 14 working days before starting the work. ONE-DNA™ Play 24 has been found 100% circular by SGS Intron, in document number A133330/R20220658.
- **Take-Back System:** The contractor is willing to take back the product free of charge at the end of its life. The client must transport the removed artificial grass to the contractor according to the contractor's instructions, so that the contractor can take care of recycling the product for reuse as high-quality raw material and/or for the production of new artificial grass.
- **Fire Safety:** The contractor must demonstrate that the applied artificial grass product meets the fire safety requirements as described in ISO 11925-2 and EN ISO 9239-1 standards. This proof must be provided in the form of a valid and accredited test report.
- **Leaching:** The contractor must demonstrate that the applied artificial grass product meets the leaching requirements as described in the Soil Quality Decree. This proof must be provided in the form of a valid and accredited test report.

Need More Information?

For more information or to place an order, visit our website at www.one-dna.com or contact our customer service:

- **Address:** Koningslinde 7, 7131 MP Lichtenvoorde, Netherlands
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With ONE-DNA™ Play 24, you choose an environmentally friendly and sustainable solution for playgrounds and sports fields. Together, we build a greener future!