

XP Pro®



Advantages

- Natural look
- Durability
- Comfort & safety
- Split Resistant

Experience the next level in Xtended Play® technology

Xtended Play®

High traffic areas require an artificial grass fiber tough enough to stand-up to constant wear. The Thiolon XP Pro® fiber has been specifically designed to withstand this intense use while retaining the softness and playing characteristics today's players desire. Developed using Thiolon's exclusive Xtended Play® technology, Thiolon XP Pro® fibers are far more resistant to natural wear and tear than the average artificial grass sports fiber.

Proven Performance

Thiolon XP Pro® is the highly durable successor of Thiolon LSR® (Lower Sliding Resistance). LSR® hardly needs an introduction. Thiolon LSR® fibers have been installed in over 200 million square meters of artificial turf worldwide. The first sand filled artificial turf field to feature LSR® was installed in Goor, The Netherlands in the year 1988. This first of its kind field is scheduled to be replaced in 2006, marking an incredible eighteen year lifespan for an artificial turf field.

Process and Pattern

Two factors set Thiolon XP Pro® apart as one of the most advanced fibers on the market today: Process and Pattern.

Process – Thiolon XP Pro® is manufactured through a proprietary slit-film extrusion process developed by Thiolon engineers exclusively for the Xtended Play® fiber.

Pattern – Thiolon XP Pro® features a more narrow fibrillation pattern as compared to other fibrillated grass fibers. More generally described as the "long slit" or "parallel" form, XP Pro®'s custom fibrillation pattern results in a grass fiber with enhanced durability and increased comfort and safety.

Natural Look

Thiolon XP Pro® fibers achieve the look and coverage of natural grass through its distinctive fibrillation pattern. The pattern's dense profile is engineered to split into 10 to 12 fibrils, resulting in a more open structure. Thiolon XP Pro® offers the look of a monofilament with the manufacturing benefits of a fibrillated yarn product.

Durability

The reverse page contains close-up images of Thiolon XP Pro® fibers after having been subjected to the Thiolon studded roll test (comparable to the Lisosport apparatus). Clearly, each Thiolon XP Pro® fibril remains intact and remains split-free after 20,000 cycles on the stud roll tester. These results far exceed the 5,000 cycle FIFA minimum, widely regarded as the industry standard for artificial sports turf, and demonstrate the exceptional durability of the Thiolon XP Pro® fiber.

Comfort and Safety

Maximizing player comfort requires a grass fiber with a soft hand and a low sliding resistance. Unlike most other grass fibers, Thiolon XP Pro® fibers make it possible for players to safely slide on artificial turf without the risk of skin burn injuries. With its more narrow fibrils and Lower Sliding Resistance® polyethylene, Thiolon XP Pro® offers superior player comfort with the proven performance of Xtended Play® fiber technology.

Split Resistant

Most fibrillated artificial grass fibers experience secondary fibrillation or splitting as a result of normal wear. Over time, this fiber splitting can lead to a rather unnatural and worn looking surface. Thiolon XP Pro® resists most secondary splitting due to its exclusive combination of Xtended Play® process and design.

Technical Specifications

basic polymer:	polyethylene
fibrillation:	parallel/long slit
denier:	8000
thickness of each fiber:	100 micron or 4 mil



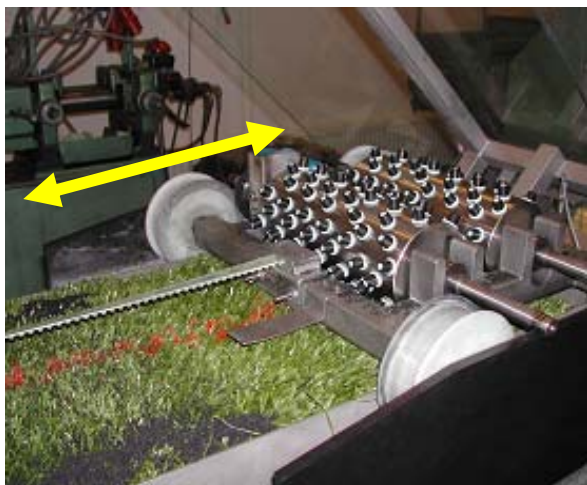
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XP Pro®



Ten Cate Thiolon's studded roll tester



Thiolon XP Pro® after 5,000 cycles



Thiolon XP Pro® after 10,000 cycles



Thiolon XP Pro® after 15,000 cycles



Thiolon XP Pro® after 20,000 cycles



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