

# CUSHIONFALL<sup>®</sup> SPORT — TECHNICAL DATA

## VOLATILE ORGANIC COMPOUNDS (VOCs)

An independent, third-party lab conducted this test using 10-18 crumb rubber samples. The control group was black rubber only; the test group was rubber plus CushionFall Sport green colorant. Testing was performed at 150° F to allow the VOC gas release and was based on a three-sample average. Rubber treated with CushionFall Sport green colorant had a 71.63 percent reduction in total VOCs released; with only 4.63 ppm of VOCs down from 16.32 ppm of VOCs released with 10-18 raw black rubber crumb.

ANALYTES TESTED		
MIBK	Cyclohexanone	Xylenes
Ethanol	Tert-Butanol	N,N-Dimethylacetamide
Acetone	1-Butanol	Methyl Acetate
Carbon Disulfide	Methylcyclohexane	Other C6-9 Hydrocarbons

## HEAVY METALS

An independent, third-party lab conducted this test using 10-18 crumb rubber samples. A synthetic precipitation leaching procedure (EPA Method 1312) showed that when rubber was treated with CushionFall Sport green colorant, there was an 80 percent reduction in heavy metals released into water.

## LISPORT TEST

An independent, third-party lab conducted a Lisport 20,000 cycle test — EN 15306 — FIFA Test Method 9 as per "Handbook of Test Methods," May 2009 Edition. Rubber treated with CushionFall Sport green colorant passed the 20,000 cycle Lisport test. The GMAX test rating was at 135 at the end of the 20,000 cycle test.

## FLAMMABILITY

An independent, third-party lab conducted a flammability test (ASTM E648-06a – Test Method for Critical Radiant Flux of Floor) comparing black SBR rubber to rubber encapsulated with CushionFall Sport green colorant. The rubber with CushionFall Sport green colorant took 50% longer to burn than black SBR.