

BUYER BEWARE !

LOW GRADE RESINS!!

A lot of synthetic turf coming from China, and even some synthetic turf that comes from the good ole USA, is made with **SUB-STANDARD RESIN**. Polyolefin resins have become the primary choice for manufacturing artificial grass. Polyethylene (PE) and to a lesser extent polypropylene (PP) are used in yarn production while backing fabrics are predominantly made of PP.

Some Synthetic turf, especially turf that comes from China, uses a LOW GRADE RESIN which means it can fade or melt (due to poor UV stabilizers in the resin), or wear prematurely (due to excessive fillers). **We're seeing a lot of failures as early as 3 to 4 years.** With quality, American made yarn, you can expect a lifetime of 10 to 30 years depending on usage. **Not all American made yarn is created equally either.** Many companies are skimping on the RESIN quality (and using fillers) which is the main ingredient in synthetic turf yarn. It's not just the yarn fibers; look out for poor quality latex backings too! Most U.S. made turf employs a urethane secondary coating. It's not that one is better than the other, but most latex-backed turf products that come from China use too much filler in the latex, causing the backing to crack and crumble. **All this leads to a nightmare that could put any turf company out of business!**



Just keep in mind that when you buy **CHEAP TURF** from a company that does not have a long-standing track record, you could be in for a big surprise! **ProGreen International, Inc.**, a synthetic turf company since 1987, has a proven track record and both **guarantees and stands behind its product.**

LEAD IN SYNTHETIC TURF

When New Jersey health officials discovered lead contaminates in synthetic turf, it caught the attention of consumers. Kids, athletes, and pets could be exposed by inhaling or swallowing lead-laced turf fibers or "dust" kicked up by those active on fields. **ProGreen® has the most stringent lead testing in the industry!**

See this report from the *Centers for Disease Control and Prevention* for further information.

<http://www.cdc.gov/nceh/lead/tips/artificialturf.htm>





LISPORT – STUDED ROLLER TEST

(Performed by TSI®, the industry standard in turf wear tests)

Below, you can see the results when comparing a typical 40oz face weight Chinese turf to our ProGreen Natural Real 40. A test specimen, 800mmX400mm, was cut from the sample lot to be exposed to mechanical abrasion to a Lisport Linear Abrader equipped with 145 studs per cylinder and linear speed of movement (to and fro) of 0.25 ms geared so that one roller is 40% faster than the other. The test specimen was mounted into the sample tray and filled with infill material per specifications. The rollers were adjusted to ensure full stud contact with the infill layer. The Lisport was then activated for 15,000 cycles. The Lisport was stopped every 5,000 cycles. The pile fiber was not disturbed at these increments. The test specimen was then examined for general affects of the simulated wear. After examination, the infill that dispersed during testing was replaced into the test specimen. Note, the design of the machine ensures that the studs do not repeatedly impact the same spots.

After Exposure Period of 15,000 Cycles



FIBER ID: Chinese Landscape		FIBER ID: 40 Natural Real	
Observation	Comment	Comment	Observation
<i>Flattening of Fibers</i>	Heavy	Moderate	<i>Flattening of Fibers</i>
<i>Stress Cracks</i>	Heavy	Light	<i>Stress Cracks</i>
<i>Splits & Hairs</i>	Heavy	None	<i>Splits & Hairs</i>
<i>Tuft Loss</i>	Light-Moderate	Light	<i>Tuft Loss</i>
<i>Infill Dispersion</i>	Moderate	Moderate	<i>Infill Dispersion</i>

Fibers Taken from Control Area of Specimen – Not Exposed to Mechanical Abrasion

FIBER ID: Chinese Landscape	FIBER ID: 40 Natural Real
	

Fibers Taken from Area of Specimen After Exposure to Mechanical Abrasion for 15,000 Cycles

FIBER ID: Chinese Landscape	FIBER ID: 40 Natural Real
	



Poor Climatic Dimensional Stability

Turf backing with poor climatic dimensional stability expands and contracts with changes in temperature and humidity causing seam ruptures and “line dancing.” **ProGreen®** boasts the most dimensionally stable backing available and uses a proprietary 4-layer QuadriBIND™ backing on all its products. One huge misconception in the industry concerning primary backing is the pic-rate. Pic rate measures the tightness of the woven primary backing. Just because you have the same pic rate on two intertwined backings...say an 18/13 pic rate, **the thickness of the of the two can be completely different!** The two thicker primary backings (one 18 pic and the other 13 pic) are much more stable than a thinner 18/13 primary backing pic rate. **So how do you know if you’re getting the thicker double primary?** You don’t, unless you go with a proven and trusted company like ProGreen!

THE TRUTH ABOUT WARRANTIES

Be SUSPICIOUS of companies that offer 10-Year Warranties. Why? Because ALL the yarn extrusion and backing manufacturers only give 8-Year Warranties. So what happens when the product fails...say, in year 9? The company that sold the project with a 10-Year Warranty must honor the warranty themselves. They can’t fall back on the extrusion and backing manufacturers. In many cases, especially large square footage projects, the company that must honor a 10 Year-Warranty either finds themselves in a court battle or they go bankrupt. They simply cannot absorb the financial hit of replacing a huge project, so they usually will go under. It’s happened many times to many different companies.

The Bottom Line is this...**THE WARRANTY YOU RECEIVE IS ONLY AS GOOD AS THE COMPANY PROVIDING IT!!** That’s why purchasing an 8-Year Warranty from a reputable company that has a proven track-record, such as **ProGreen International, Inc.**, (a company in business Since 1987) with a squeaky clean record (No judgments or lawsuits) is **MUCH SAFER THAN PURCHASING FROM A COMPANY SELLING A 10-YEAR WARRANTY!** **ProGreen®** prides itself on stepping up to the plate should anything go wrong because they pride themselves on keeping a solid image and reputation. Additionally, a reputable company with a proven track record like ProGreen uses **ONLY THE FINEST QUALITY MATERIALS AND WORKMANSHIP** in order to avoid warranty issues. **BUYER BEWARE!! LOOK CLOSELY AT THE FINE PRINT OF A 10-YEAR WARRANTY!** Many of these warranties are flimsy at best. Really look...you’ll probably find that after the 8-years are up, there’s very little covered after that time anyway! **IT’S MOSTLY MARKETING FLUFF!** So if you’re comparing an 8-year warranty to either a 10 or 12 year warranty, **IT’S NOT APPLES TO APPLES!** **ProGreen Grass is made to last!** **ProGreen still has turf performing very well since its first installation in 1987!**

WHY SHOULD I CHOOSE PROGREEN?

NOT ALL SYNTHETIC GRASS IS CREATED EQUALLY!!

Since 1987 **ProGreen®** has been making the highest quality synthetic grass in the world. All **ProGreen® Grass** has undergone many years of extensive research and development, including extensive UV, stability, and wear resistance testing. Most importantly, all **ProGreen® Grass** is **GUARANTEED TO LAST!** Not everyone can say or stand behind that! REMEMBER...A warranty is only as good as the company standing behind it. **DON’T BE FOOLED BY CHEAP IMITATIONS!** Go with the Original, and Still the Best Synthetic Grass in the World, ProGreen® Grass!





QuadriBIND™

Turf Backing System

Introducing the...

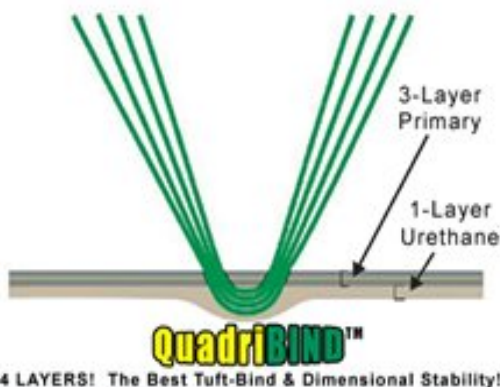
ProGreen 4-LAYER TURF BACKING SYSTEM



ProGreen
QuadriBIND™

progreen.com

Prevents Unwanted Wrinkling and Yarn Displacement!
Nothing Beats ProGreen's QuadriBIND™ Backing System!



4 LAYERS! The Best Tuft-Bind & Dimensional Stability!

