



Welcome to Black Flame 'blackscreen' technology and its precursor Xtreme MaxxMudd.

Our goal is to visually bring you the ultimate cinematic screen experience.

Black Flame's patented natural color technology is an exciting new concept in front projection screens that

when combined with light fusion technology, provides a visually awe inspiring front projection experience. Projection home theater has never been seen in a better light, literally.

Black Flame and Xtreme MaxxMudd deliver the plasma-like screen experience to your home or place of business at sizes plasma could only dream of. And with its natural color technology, at cost effective prices that plasma could only dream of as well.

Lights on or lights off, Black Flame breaks through past & present myths of front projection being an expensive endeavor for those lucky few with dedicated (dark) theater rooms. Black Flame dispels the notion that front projection can't compete with the color vividness of richness of plasma. With Black Flame's naturally color technology, no longer must you purchase a projector that costs half of a small car and a screen that costs the other half.

Black Flame brings front projection to any wall in your home, whether it's your living room, family room, bedroom, or den. Black Flame brings the "WOW" factor to your sport's bar or place of business and keeps patrons coming back for more.

Never before have 'lights on' and daytime viewing looked so good and cost so little. Never before has controlled viewing been so uncompromised by the ambient technology.

Quality Controlled Screen Mixes

At XFS we understand the power of the Do-It Yourself (DIY) spirit. There's nothing like the pride and satisfaction of building your own home theater and screen. We can offer quality controlled pre-made screen mixes specifically for the DIY and for our custom HT professional screen dealers.

Black Flame Light Fusion Screen Paints



Daytime viewing or controlled viewing, Black Flame's patent pending color technology is designed specifically for maximum contrast in all sorts of lighting conditions. Black Flame

screens are a fusion of RGB pigments designed to specifically work more efficiently with the RGB bands of your projector. This increased efficiency of both reflection and absorption of color combines to maximize both ambient and controlled viewing experiences.

No longer is front projection tied to a dedicated light controlled Home Theater. Instead, any free wall space in a bedroom, den, living room, family room, or over a fireplace mantle now becomes a fine choice for a front projection system and the center of your ultimate entertainment experience.

Paired with our recommended fusion substrates... it provides the best achievements in both ambient and controlled viewing experiences that can be accomplished by the DIY or professional custom HT screen builder

Xtreme MaxxMudd



Xtreme MaxxMudd is the little brother of Black Flame. However, XMM contains no additional pigments to absorb and enhance color saturation.

Originally, created for moderate ambient viewing where it continues to shine, XMM was is now tailored to (maxx)imize controlled viewing. With no loss of white level's and a definitive increase in black levels, XMM is specifically designed for maximum contrast and color vividness in controlled lighting conditions.

Paired with our recommended fusion substrates and/or used with our basecoat mix... it provides the best achievements in moderate ambient and controlled viewing experiences that can be accomplished by the DIY'er or Professional Custom HT screen builder.

- **"...the Black Flame honestly dominated the Firehawk G2 touting a deeper contrast and more punchy 3D looking colors. Hard to explain but to me the picture looked richer and more vibrant. I truly couldn't believe it. This coming from the biggest fan of the FireHawk G2 ever!" - Derek**
- **"What can we say about the picture? Simply stunning. We are still in the 'jaw-on-the-floor' stage. I know eventually we will just accept how spectacular movies look....give it a few more weeks. Vivid colors, depth, crystal clarity and that is with a 720p projector. At this time we can not see going to a 1080p with our 100" screen. What would be the point? Thank you! Two new Black Flame converts." - Frank Englander**
- **"I can honestly say that I really love the "Pop" this mix gives to the projected image. We saw plankton floating around while watching Finding Nemo that we never noticed before!!" - Heather**
- **"I fired the movie up again this morning since it had dried overnight. I can for the first time say that I could watch this during the day with my shades open." - Buresh**
- **"...just wanted to thank you guys for my screen... I finally got it right... had some problems with streaking at first, but figured out my problemo... and now it looks awesome...the picture looks great on my 120" screen. Thanks a ton for both you guy's help!" - Chris**
- **"I must say, the improvement is amazing. ...I can turn the lights all the way on and the projector is still viewable. The colors and blacks look amazing, and HD Monday Night Football was great. I feel you provide a very nice product and customer support was better than I have ever had before. When I explained my situation and you jumped right in sending me some extra paint, there are no words to explain how good it feels to get that kind of customer service. I was worried about being disappointed in my screen, but it has met and exceeded my expectations. I was skeptical that paint could make a MAJOR difference in viewing, but I am now a believer." - T. Letzler**
- **"One of the biggest improvements with the pre-cured MaxxMudd is the lighter corners, due primarily to the reflective qualities of the mix and the viewing cone. You can sit 12 feet back and 8 feet off center and still get a great view. Which brings me back to our 1.5 gain DaLite that we used on the first PJ... ...this is a much better solution (MaxxMudd). I want to say, I wouldn't do it any other way in the future... ...I'm going to say it now, it's the best I've seen and I only expect it to be better tonight!" - Swill01 (LumenLab)**

Application

This is one of the key components to maximizing the potential of Black Flame and Xtreme MaxxMudd. The goal is to achieve as smooth, uniform, and flat of a finish as possible. The result is a screen with a consistent gain across the board and an increased viewing cone.

Spraying is the preferred application vs. rolling for achieving the desired result.

SPRAYING INSTRUCTIONS for Conventional HVLP equipment

Use a 1.4mm - 1.7mm spray tip.

Protect yourself and your lungs. always wear the proper mask protection whenever spraying any commercial, or non-commercial products.

The viscosity of this mix is very 'wet'. care should be taken to prevent runs.

The 1st coat is the 'frost coating'... in a rapid motion you'll lightly apply a 'frost' coat across the entire board. the purpose of this is to give the first full coat something to adhere to... and to help prevent runs. let this frost coat dry for approx 1 hour.

The 2nd coat is a full coat. after applying this coat... step back... and see if there are any 'soft' spots. lightly 'feather spray' the soft spots. let coat dry for 45 min to 1 hour.

The 3rd coat is also a full coat. after applying coat... again, step back, and see if there are any soft spots... and 'feather spray' only those.

Let dry for a least 1/2 a day before viewing. it'll take a week or more for the screen to cure and show it's full potential.

ROLLING INSTRUCTIONS

Use a 9 inch roller, 3/16" nap - white smooth synthetic roller.

(or a 6 inch foam finish roller with rounded ends)

DO NOT USE ADDITIONAL EXTENDERS Extenders such as Floetrol are not needed with this mix. The water-based Poly Urethane is already a natural extender and does not require any additional help.

DO NOT DRY ROLL dry rolling will leave/introduce roller mark tracks that will not go away.

DO NOT OVERLOAD YOUR ROLLER. Working in 18-20" in. vertical bands, use vertical up and down strokes never ending a stroke on the screen itself. work fairly quickly from left to right,

Feathering and overlapping each vertical band by 8-10 inches and getting good even coverage. do not work the paint for long. the mix needs to go on wet and rather glossy looking... which allows the wetness of the mix, gravity, and time to blend the components together giving the screen a better opportunity to dry with fewer to no roller marks.

When you are done with each coat... the screen surface should look like a wet light gray glass sheet... and it should take about 15-20 minutes before you see any signs of drying. otherwise, the coat is likely being applied too dry.

When rolled properly, the screen will dry to a smooth flat/eggshell finish.

SCREEN SUBSTRATE CHOICES

Recommended screens & substrates

Light fusion - a first surface mirror, a second surface acrylic mirror, a reflective smooth metal substrate, a brushed/polished/machined/ or an anodized metallic substrate.

Light fusion II - white translucent acrylic #2447 substrate

Durotherm rigid pvc white panels, Sintra/Komatex rigid expanded foam pvc panels, or Polywall sheets.

Semi-gloss white melamine surfaces such as doable/clones and melamine treated MDF boards are preferred over rolling a gloss white basecoat. Laminates are also good.

The most available DIY option is to use a semi-gloss (or satin) ultra pure white basecoat, or basecoat available from XFS.

When using a ultra pure white basecoat spraying the basecoat is preferred.

For a smoother ultra pure white basecoat (non XFS)... a 1::5::5 mix of (upw/Minwax polyacrylic/water) is recommended.