



EVA GLASS LAMINATING

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Christian Camus Group Leader PV Systems at Bayerisches Zentrum für Angewandte Energ...

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About this Group

Created: October 27, 2011

Type: Professional Group

Website: <http://www.evafilms.com>

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Labscale laminator for PV application

Hello Everybody,

does anybody know a recommendable system for labscale EVA glass laminators for PV applications (glass/glass and glass/wafer; sample size (30x30cm² or similar)? What would be a typical footprint for a tool like this? Which company could be a good choice to contact?

Thanks a lot in advance!

Regards,
Christian

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18 days ago



Peter Lin EVA Film CNC Glass EVA Interlayer Film EVA INTERLAYER FILM PRODUCT M...

Advantages of EVA Interlayer Film Compared to PVB Interlayer Film By Peter Lin

What's Wrong with PVB:

However, PVB Interlayer Film is very sensitive to moisture, which makes it difficult to store and process. It requires high standard of processing condition room to care about humidity. So EVA Interlayer Film is emerging and playing a more and more important roll in laminated glass and decorative art glass world.

Advantage of Making Laminated Glass with EVA Film Compared with PVB Film

- 1- EVA Interlayer Film is Less Sensitive of Moisture. And EVA Interlayer Film can be processed in an common room condition.
- 2- EVA Interlayer Film is better at flowing mobility when melting in oven and better for laminating with papers, PET, silk, wire net, fabric insertion.
- 3- EVA Interlayer Film is good at aging resistance, the aging-resistance can be more than 15years. That's why we choose EVA film for solar panel encapsulation lamination.
- 4- EVA Interlayer Film is stronger in adhesive with various materials, PMMA, PET, Metals, Plastic etc.
- 5- EVA glass laminating line is easier and less cost to install. PVB glass laminating is mainly working in a big autoclave, it's not suitable for the company to make small quantity creatively designed artistic laminated glass for special requirement of different customers. PVB glass laminating machine is a large investment which would be a barrier for the new company who are interested in laminating glass world.

Can EVA Replace PVB?

Prove 1: In China National Safety Laminated Glass Standard(2009 Edition), the Glass Lamination Ethylene-vinyl acetate EVA Interlayer Film is recognized as a safety interlayer film for safety laminated glass, only if the Glass Lamination Ethylene-vinyl acetate EVA Interlayer Film past the same tests as PVB interlayer film.

Prove 2: Glass Lamination purposed Ethylene-vinyl acetate EVA Interlayer Film can past the tests which are required for laminated glass with PVB interlayer film, like High Temperature Resistance Test, Radiation Resistance Test, Humidity Resistance Test, Ball Impact Peeling Test, Shot-bag Impact Test etc.

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Web: www.CNCglass.com www.evafilms.com

Welcome to discuss with us: Mail: cnc@cncglass.com



CNC Glass Interlayer

cncglass.com

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Bubbles Because Of Bad Vacuuming, EVA Laminated Glass Safety Glazing Case Study and Solutions By Peter Lin

Bubbles Because Of Bad Vacuuming, EVA Laminated Glass Safety Glazing Case Study and Solutions By Peter Lin

Summary:

The bubbles of laminated glass with EVA interlayer film happened because of bad vacuuming, and the bad vacuuming was because the vacuum pump was completely choked.

The solutions is to clean the vacuum pump and renew it.

<http://www.evafilms.com/bubbles-because-of-bad-vacuuming-eva-laminated-glass-safety-glazing-case-study-and-solutions-by-peter-lin/>

Dear Peter

We really suffer with the wastes in laminating glass with EVA interlayer film. Every week we recycle a big volume of laminating glass because of the bubble problem.

Most of them are Tempered glasses. However we can't understand why some of laminated glass come up with good lamination in the end of the laminating cycle but some of them wrinkled and bubbles between two glasses. We use 0.76EVA+0.38EVA for tempered glass and never single 0.38EVA interlayer film.

We don't understand the reason of this problem. In attachment I send you the images of the bubbled laminated glass we got last 2-3 cycle.

The heating process is like below :

30 minutes till 60 C

15 minutes stay in 60 C

45 minutes till 133 C

70 minutes stay in 133 C

Then cooling and keep vacuuming till 30 C

Can you suggest us where the problem could be.

Best Regards

Glazing E

Following are the photos of the failed laminated glass with bubbles:

Dear Glazier E

Our first analysis is: The vacuuming system is not strong enough. According the photos of laminated glass you sent to us, the bubbles area was big and gathered in one place, and close to edges, because the vacuuming is not strong enough to vacuuming them out. Please check your vacuuming value and the vacuum pump to see if it's working well.

And we need to ask you some more questions to analyze the situation:

It's the bubbles close to the position of the heating pipe of the oven?

Is the heating of the oven not well-distributed?

How many combinations of pre-laminated glass was put in each silicone vacuum bag?

Dear Peter

Here is the answer:

The vacuum indicates the minimum on the scale.

There are wrinkles mostly and they are close to the edges. You are right .

We will check the rotation of the air pumps.

We put mostly the two couple of laminated glasses on top each other. I mean in one floor two levels (6+0.76+6) to the top (6+0.76 + 6).

Soon another email came from the Glazier E.

Dear Peter

Thank you very much for your kind assistance. We really appreciate it highly and we are really happy of cooperation with you.

We checked the vacuum pump and the Filter was completely choked. Today we cleaned it and will load some glasses in order to control the process. Now the problem is well solved.

Thank you for your professional help.

Dear Glazier E

You are always welcome. We are always here for you.

Peter Lin

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Skype: Cnext365

CNC Glass Interlayer

www.cncglass.com www.c-n-c.com

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Bubbles Because Of Bad Vacuuming, EVA Laminated Glass Safety Glazing Case Study and Solutions By P... Li

evafilms.com • Bubbles Because Of Bad Vacuuming, EVA Laminated Glass Safety Glazing Case Study and Solutions By Peter Lin Summary:...

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Peter Lin EVA Film CNC Glass EVA Interlayer Film

welcome to contact us.

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1 month ago



Peter Lin EVA Film CNC Glass EVA Interlayer Film EVA INTERLAYER FILM PRODUCT M...

3 Reasons Why We Focus on Producing Great Product of EVA Interlayer Film? By Peter Lin

Fist, Great product talks when it's easier to get information on the internet

Google search, social network, and new inventions of the communication make us easier to get information of products on internet. You can easily find several suppliers of glazing materials by searching on Google, or get recommendation from your friends on FACEBOOK in the glazing circle. One of our clients(Glazier M) came to us by asking his friend(Glazier A) which China supplier of EVA interlayer film can offer the EVA INTERLAYER FILM to replace the EVALAM interlayer film he had been using. And the Glazier A told him to talk to us. Since then we built a long-term business partnership.

The old period which the sales of a products much depended on the marketing scale was gone. At that time, the world was not so plat, the information was not easy to access. To let the clients know your products, you needed to put a big budget on marketing. Some great products might not be known by poor marketing. While some ordinary products became popular because of well marketing. But that period was gone.

Now the great products talks on the web2.0 world with the social network and smart search engine.

Second, Great products is the fundamental basis of the marketing

10?

100?

10000?

.....

10000000?

10000000000?

The great product is the number '1', and the marketing is the '0's behind the '1'.

Without a great product, the marketing is a waste of resource. And the influence of the marketing may be negative without a great product. You just make more and more people know how bad your products are.

What the Steve Jobs did, was launch a great marketing for a great product. First you need to build a great product, then you do the great marketing.

The great product is the fundamental basis of the marketing.

Third, the Best business is returned customers.

The cost of getting a new customers is very high. It's not sustainable is you are just getting "one order and no returned" customer. The sustainable way of business is to build returned customers.

The customers who used your product once will keep using your products on and on.

To do this, you must focus on building great products. The customer stick with you is because your products is great, there is no other reason.

The marketing is to make new customers know your products and want to have a try. And the great products is the only thing to absorb the customers to love establishing-long term partnership with you.

These three reasons explains why we CNC GLASS INTELAYER always focus on producing great products of EVA interlaeyr film for our glazing clients.

We don't settle on the low level products even though the cost will be less.

We only produce the best products we can even though the cost will be much much higher.

CNC is to creating next classics.

Peter Lin

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CNC Glass Interlayer

www.cncglass.com www.c-n-c.com

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- *Applied both indoor and outdoor
- *Replacing PVB Film

Super Clear EVA Film for Tempered Curved Glazing
EVAFORCE EXTREME

- *Super Clear EVA Film for Tempered Curved Glazing
- *Less overflowing during vacuuming heating
- *Strengthened safety mechanical properties
- *Recommended for extreme environments, safety tempered glazing or curved glass laminating
- *Applied both Indoor and Outdoor
- *Replacing PVB Film

Super Clear EVA Film for Graphic Insertions
EVAFORCE LOW80-120

- *Super Clear EVA Film for Graphic Insertions
- *Laminating both at 80°C and at 130°C
- *Protect the insertions from above 100°C



CNC Glass Interlayer

cncglass.com

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Peter Lin EVA Film CNC Glass EVA Interlayer Film EVA INTERLAYER FILM PRODUCT M...

How to Get Free EVA Interlayer Film Samples from CNC Glass Interlayer

Hello Peter,

Could I get from your offer for EVA film for laminated glass and samples of these film, most care about matt film: Cool Jade White, Arctic Snow White, Super Milky White and Sandblasting White EVA interlayer film.

There is a possibility of getting from you all the milk samples of film???

<http://www.evafilms.com/how-to-get-free-eva-interlayer-film-samples-from-cnc-glass-interlayer/>

Dear Glazier P

Yes we can. All the EVA interlayer film will be offered for free.

In order to make sure our EVA interlayer film free samples are taken seriously, we may ask you to take responsibility for the delivery cost of the EVA sample cargo. If you have the DHL/FEDEX/UPS/TNT collected account, you can arrange the express logistic agent to collect the EVA interlayer film samples.

If you don't have the collected account of the DHL/FEDEX/UPS/TNT, you can pay the DHL cost to us, we will send the EVA Film samples prepaid by DHL.

Can you accept this solution?

Dear Peter

Yes, we are OK to pay for the delivery cost of the EVA interlayer film samples.

Please just send us a proforma invoice with the DHL cost, and we will make payment once we have it.

Dear Glazier P

Thanks very much, the DHL cost of delivery of the EVA interlayer film samples is received, we will send the EVA interlayer film samples to you very soon. We will send the following EVA film samples to you:

Super clear EVA film, EVAFORCE SUPER+

Super clear EVA film, EVAFORCE EXTREME

Milky white opaque EVA interlayer film

Super milky white opaque EVA interlayer film

Sandblasting white translucent EVA interlayer film

Arctic snow white EVA interlayer film

Cool jade white EVA interlayer film

And some types of the color EVA interlayer film

At the same time, we will send you 2 rolls of PET GREEN TAPE for safety glazing

Dear Glazier P

All the EVA interlayer film samples were sent.

The DHL tracking no. of the EVA interlayer film samples is 2927070713.

You will receive the EVA samples very soon.

Dear Peter

Thanks, the EVA film samples are well received, thanks very much for the extra ones.

We will start to do the test as soon as we have time next week, and we will feedback you the test result.

Dear Glazier P

So good to hear that you have received the EVA film samples.

We are look forward to your test results soon. The processing time and temperature file of the EVA interlayer film is in attachment for your info.

Dear Peter

We all agree that the test result of your eva film samples is very good, here is our first order details, please give us best discount:

EVA FILM EVAFORCE SUPER+ 0,38* 2300*100/roll - 120 rolls

EVAVISION MW MILKY WHITE 0,38*2000*50/roll – 80 rolls

EVAVISION SW SANDBLASTING WHITE 0,38*2000*50/roll – 80 rolls

Dear Glazier P

Thanks very much for your order, we will send you proforma invoice and related details soon.

.....

Dear Glazier P

You have been using our EVA Interlayer Film massively, can you tell us what do you think of our EVA film? Are you happy with our EVA interlayer film quality?

Your feedback is highly appreciated.

Thanks very much.

Dear Peter

Most of the EVA film rolls are sold to our customers in our country.

We have already sold to several customers and it is very good. So far, the customers are very satisfied. Thanks, we will be happy to still buy from you in the coming future.

Dear Glazier P

Thanks very much for your feedback.

Peter Lin

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Peter Lin EVA Film CNC Glass EVA Interlayer Film

welcome to inquire free eva interlayer film samples from us.

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