



NEW INNOVATIVE CROSSLINKER

FOR 1-COMPONENT
WATERBORNE PRODUCTS

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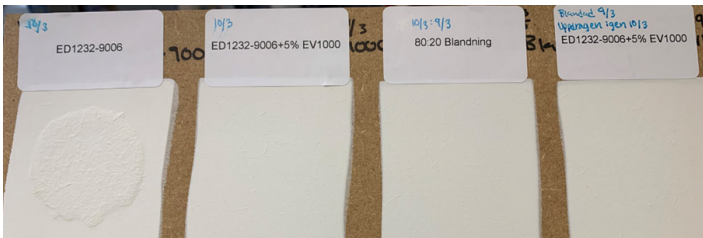
NEW INNOVATIVE CROSSLINKER FOR 1-COMPONENT WATERBORNE PRODUCTS

Sherwin-Williams is launching a new innovative crosslinker called Lacroma Hardener EV1000 available for use in all types of 1-component waterborne products. Even though it is mainly being used for topcoats it also works well for 1-component waterborne primers.

The unique features of this crosslinker is that it improves alcohol and hand cream resistance for these types of products. It also leaves you with a better adhesion to the substrate.

We have tested EV1000 in different products like EM1152, EM1157, EG1351, EG1353 etc and we can see that an addition of 5 w% EV1000 to these products improves resistance substantially.

Picture 1
Mixing ratio



Usage time of the mix WB product and EV1000 is 24h. After 24h you can rework the old mix into a freshly mixed one in the ration 20:80 and keep the good performance just like you do with a 2C SB AC.

Picture 2
Usually EM1157 has a poor resistance to hand cream. Already after a few minutes it starts to dissolve, but with EV1000 it becomes so much better.



Hand cream resistance 24h with DH1326

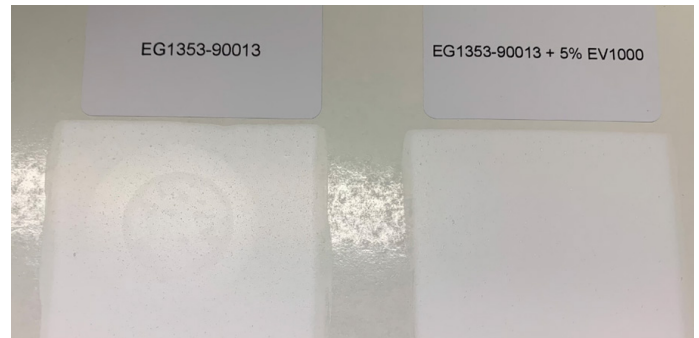
vs black tinted EM1157 + 5% EV1000

Depending on the 1-component waterborne product you are using you can reach the performance on the same level as a 2-component solvent borne acid catalyzed (SB AC) or even a 2-component solvent borne polyurethane (SB PU) system.

The best product solution is EM1152 together with EV1000. This combination will give you the same performance as a 2-component solvent borne product system.

Actually, all other 1-component waterborne products become much better by adding EV1000.

Picture 3
Examples of Alcohol resistance without and with EV1000



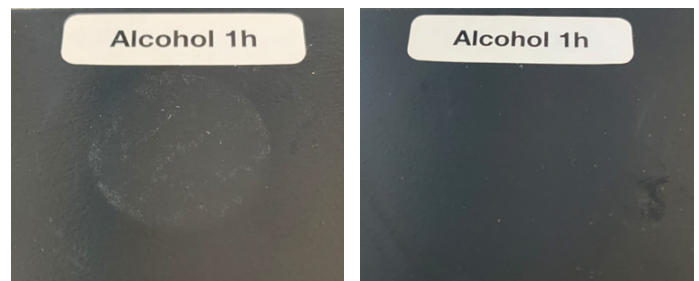
1h Alcohol on white EG1353 without and with EV1000



Cleaning 1 time with Alcogel, tinted EM1157

Cleaning 10 times with Alcogel tinted EM1157 + EV1000

Picture 4



EG1351 Base C + black paste

EG1351 Base C + black paste + 5% EV1000

Since 1866, Sherwin-Williams has provided manufacturers and finishers with the coatings they need to make their products look better and last longer, while helping their operations meet productivity and sustainability goals. For both wood and general industrial markets, our innovative solutions go beyond coatings to include knowledge, tools, equipment, supplies, and industry-leading support. We're more than a coatings provider - we are Your Coating Solutions Partner.