NEW INNOVATIVE CROSSLINKER

FOR 1-COMPONENT
WATERBORNE PRODUCTS

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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.

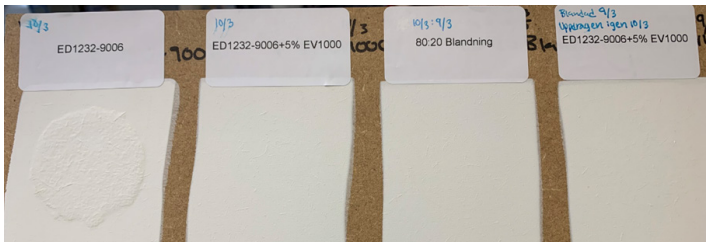
Depending on the 1-component waterborne product you are using you can reach the performance on the same level as a 2-component solvent borne acid catalyzed (SB AC) or even a 2-component solvent borne polyurethane (SB PU) system.

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 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

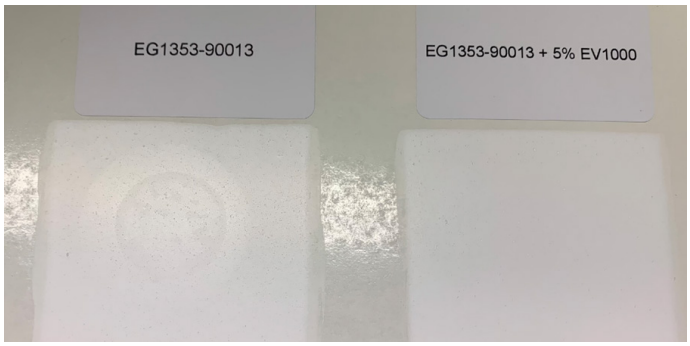
Usually EM1157 has a poor resistance to hand cream. Already after a few minutes it starts to dissolve, but with EV1000 it becomes so much better.

Hand cream resistance 24h with DH1326

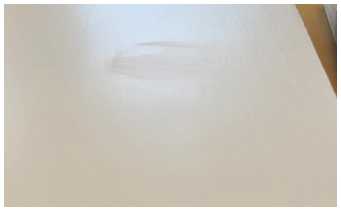
vs black tinted EM1157 + 5% EV1000

Picture 3

Examples of Alcohol resistance without and with EV1000



1h Alcohol on white EG1353 without and with EV1000

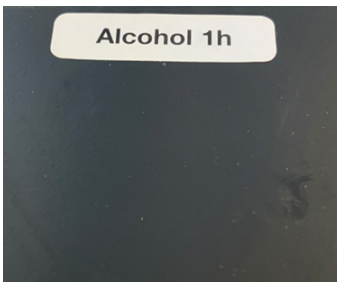


Cleaning 1 time with Alcogel, tinted EM1157

Cleaning 10 times with Alcogel tinted EM1157 + EV1000

Picture 4

EG1351 Base C + black paste



EG1351 Base C + black paste + 5% EV1000

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We're more than a coatings provider – we are Your Coating Solutions Partner.

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