Product Data

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CA1014
FINE VEIN WEBBING SOLUTION

CA-1014 is a clear, liquid gel coat additive especially formulated to achieve a fine vein or fine-pattern spatter or webbing effect on the surface of the gel coat, laminate or casting to which it is applied. The color of the vein or web will be that of the gel coat blended with the CA-1014 Webbing Solution.

If a heavier vein or larger web pattern is desired, we would recommend the use of HK Research's CA-1012 Webbing Solution to achieve this effect.

The suggested mixing ratio of CA-1014 and polyester gel coat is as follows:

One part by volume of polyester gel coat
One part by volume of CA-1014 Webbing Solution

Mix these two materials together thoroughly and then the resultant mix can be applied in one of the following ways:

1. The mixture can be applied as a final coating on the gel coat surface, the back of a laminate or the back side of a marble matrix. When used in this manner it is necessary to catalyze the mixture just like you would catalyze the gel coat alone.

2. A second procedure that gives a very interesting appearance is to spray the mixture directly on the backside of a clear gel coat while that gel coat is still wet. When this is cured, the laminate or marble matrix is applied in the normal manner. This procedure does not normally require catalyzation of the gel coat/webbing solution mixture as long as the web pattern is small and "spider web-like" in nature because enough catalyst migrates from the liquid clear gel coat to cure the webbed material. However, we caution the user that heavier web patterns should be sprayed with catalyzed material to facilitate a thorough cure of the webbed gel coat. If you choose to catalyze this mixture, we recommend 1% MEKP based upon the total weight of webbing mixture. Remember, however, that the catalyzed mixture of gel coat and webbing solution will have a limited pot life, so we suggest catalyzing only that quantity which you can use in 10-15 minutes.

We recommend a spray gun such as the BINKS Model 18 with the 66 x 66SA fluid and air nozzle and the 65 fluid needle.

We further suggest that using an air pressure of approximately 10-15 psi with a low fluid flow will give a very fine "spider web" effect while an even lower air pressure of 5-10 psi and a higher fluid flow will yield more of a spatter effect. Decorative effects and patterns are limited only by your imagination and we highly recommend experimentation on a piece of cardboard before spraying onto the finished part.

A CA-1014/Gel Coat blend will flow into corners and recessed areas more readily than a CA-1012/Gel Coat blend. The larger webbed CA-1012 mixture tends to bridge these corners and recesses, making it more difficult to obtain an even pattern. Therefore, we would recommend the use of the CA-1014/Gel Coat blend when you are trying to spray components with sharp corners or recesses.