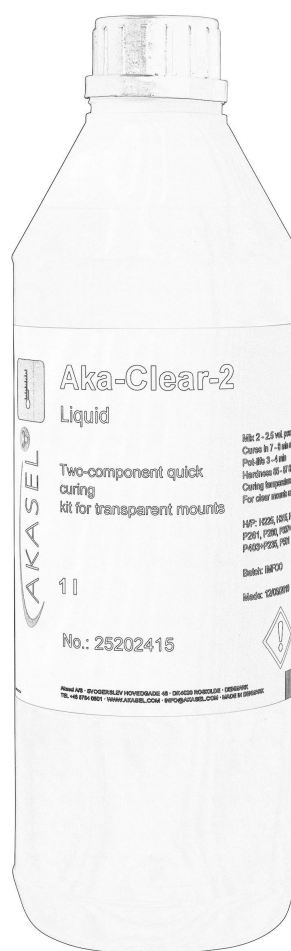


Aka-Clear-2



Introduction

介绍

Aka-Clear-2 is an acrylic mounting system consisting of an acrylic powder and an acrylic liquid. After mixing the 2 components the mixture cures in about 8 to 10 minutes at room temperature. Aka-Clear-2是一种丙烯酸的冷镶嵌组合，由丙烯酸粉末和丙烯酸液体组成。在混合这两种组分后，混合物在常温下约8到10分钟内固化。

Safety Precautions

安全预防措施

For detailed information please read the SDS of Aka-Clear-2 Liquid and Powder here:
请在Aka-Clear-2 Liquid和Powder丙烯酸树脂的SDS中查看更多信息

<https://www.akasel.com/sds-pds/>

- Avoid contact with powder, liquid and mixed acrylic. Wear protective gloves and protective clothing whenever you handle acrylic resins. If you do get powder, liquid or mixed acrylic on your skin, remove it as soon as possible. Always wash thoroughly with soap and lukewarm water after using acrylic.
避免接触丙烯酸粉末、液体和混合物。在处理丙烯酸树脂的时候，戴防护性乳胶手套，穿防护衣。如果你皮肤上沾上了丙烯酸粉末、液体或者混合物，应尽快将它们清除。在使用丙烯酸后，一定要用温水和肥皂彻底洗手。
- Protect your eyes from contact with powder, liquid and mixed acrylic by wearing appropriate eye protection.
通过佩戴防护性眼镜，避免眼睛接触到丙烯酸粉末、液体或者混合物。
- Avoid breathing concentrated vapours.
避免呼吸浓缩蒸气。
- Avoid ingesting acrylic. Wash thoroughly after handling acrylic, especially before eating or smoking.
避免吞食丙烯酸树脂。处理丙烯酸树脂后要彻底清洗，尤其是在进食或吸烟前。
- Use a fume hood for mixing, mounting and curing of acrylic resins.
混合丙烯酸树脂、镶样和固化，都应该在通风橱中进行。

Mixing Ratio

混合比例

The mixing ratio for acrylic resins is not crucial, therefore they can be measured by volume. 丙烯酸树脂的混合比例并不很重要，所以通过体积测量就可以了。

The mixing ratio is 2-2.5 vol. of powder to 1 vol. of liquid.
将2-2.5份粉末和1份液体按体积混合。

For samples with small cavities e.g. PCB, a little extra liquid can be added to get a thinner mixture that can fill even small holes and cavities.

镶一些有小孔隙的样品，如PCB，可以额外多加一点液体使得混合物更稀薄，从而可以填充进小孔和凹槽。

To fill very small holes and cavities, the sample can be dipped into Aka-Clear-2 liquid just before embedding. The liquid will cure from the catalytic process when the entire mount is cured.

为了填充非常小的孔和凹槽，可以在镶嵌前将样品在Aka-Clear-2液体里浸润。在整个镶样固化时的催化过程将使这些液体固化。

How Much Should I Mix?

应该混合多少？

Mix a maximum of 100 ml of powder and 50 ml of liquid. The pot-life is quite short, therefore the amount should not be too large, otherwise the viscosity of the mixture will increase and it will no longer be possible to pour the mixture into the mounting cup.

最多一次混合100毫升粉末和50毫升液体。丙烯酸混合物的活化寿命非常短，所以每次混合的量不要太多，不然后面粘稠度增加，就不能将丙烯酸混合树脂倒入镶杯中。

Mixing

混合

Measure first the powder then the liquid into a mixing cup.

先测量粉末，然后测量液体并倒进搅拌杯。

Mix slowly (in order not to introduce air bubbles) but thoroughly until the mixture is uniform.

缓慢混合（避免引入气泡），同时要混合彻底直到混合物均匀。

Pouring

倾倒

Pour the mixture slowly into the mounting cup, without trapping air around the sample. You can use the mixing stick to direct the mixture over the sample.

慢慢将混合物倒入镶样杯中，且避免在样品周围困住空气。你可以使用搅拌棒将混合物直接倾倒到样品上。

Pot-life

活化寿命

The pot-life of the mixture is about 1-2 minutes. Therefore only limited amounts should be mixed.

混合物的活化寿命约为1-2分钟。所以每次只应混合一定量丙烯酸混合树脂。

Covering the Samples

盖住样品

Covering the mounting cup with a piece of paper/plastic or a mixing cup will prevent the attraction of moisture and thus stop the top of the mount from becoming sticky.

用一片纸/塑料或者混合用的杯子盖住镶杯，这样能够阻止镶样从空气中吸收湿气，从而防止镶样表面变黏。

Curing Schedule

固化步骤

Aka-Clear-2 cures at room temperature, thus no oven or other means of heating is necessary. Curing time is about 8 minutes.

Aka-Clear-2在室温固化，不需要炉子或者其它加热手段。固化时间约为8分钟。

Extracting

取镶样

Aka-Clear-2 has a certain, limited shrinkage, therefore the mounts can be extracted quite easily.

Remove the bottom part of the mounting cup, then apply pressure to the side of the mounting cup to loosen the mount.

Aka-Clear-2丙烯酸树脂具有一定的收缩性，所以能很容易从镶杯中取出镶样。把镶杯的底部取下来，然后将在镶杯侧面施力，这样就能使镶样松动。

Then press the mount out through the top opening as the mounting cups are slightly conical. 因为镶杯是微圆锥形，然后将镶样从底部开口挤压出来。

Additional Information

附加信息

To see the entire process in detail you can watch our video The correct use of Acrylic Cold Mounting Resins on YouTube:

你如果想看整个详细的冷镶过程，请在YouTube看视频The correct use of Acrylic Cold Mounting Resins:

<https://youtu.be/m5TbAZetaFw> 或者



Lifetime

使用寿命

When stored correctly, at about 22°C in a dark place, the lifetime of both powder and liquid is at least 2 years from the production date.

在黑暗环境22摄氏度正确储存时，自生产之日起，丙烯酸粉末和液体的使用寿命至少是2年。

After opening, the lifetime is 1 year when the lid is tightened securely immediately after each use and the container is stored at about 22°C in a dark place.

在打开盖子以后，如果每次使用后都立即盖紧盖子，且储存在22°C的黑暗环境中，使用寿命为1年。