

Anleitung: Verarbeiten von Basislacken, Grundierungen und Klarlacken

Instruction

Usage of Base Coats, Primers and Clear Coats

Base coats:

The base coats we sell are high-grade, one-component acrylic car paints. They cover very well and are very yielding. For 1 sq. meter you only need about 100-150ml of undiluted paint. Base coats are mixed with all-purpose thinner (acrylic- or nitro-based). The mixing ration is 1:1. If you use smaller nozzles (smaller than 0.5) you can dilute the base coats even more. The colors are shipped in plastic bottles but we advise to fully empty them. Now you fill the empty bottle with thinner until half-filled. Shake the bottle to get all the rest of the paint mixed with the thinner. Now add the base coat and you have the perfect 1:1 mix and also a clean bottle. After finished painting you can fill the left base coat back into the bottle for storing it until needed again.

If you store the base coat for a longer period of time we advise to use metal or glass containers. The solvents of the thinner diffuse the plastic bottle and thus leaving the base coats, thickening the color bit by bit. It does not happen very quickly, but after 4-6 months you can already observe this process when you see that you're plastic bottles already has collapsed a bit. If you still want to store it in the plastic bottles you can prevent this process if you refill the bottles with a bit of thinner every 3 months and then shake it again. If you want to reuse the paints after some storing time it often does not suffice to shake the bottle. The color particles settled on the bottom of the bottle and formed a solid mass you can only break apart when stirring the mixture. Often the heavy white color particles settled only. If you did not mix the color thoroughly once in a while the color will be definitely much darker than it used to be and does not fit anymore when using it to repaint repaired of model.

All base coats can be painted over with commercially available 1K or 2K clear coats. But even without a clear coat the base coats are resistant against petrol and kerosene. The gloss level is silk mat but can be turned into glossy when polishing. If asked for we can also deliver base coats in mat.

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The base coat "Transparent" is the same base coat as the color just without any color pigments. It can be used when:

- Painting before using a colored base coat when using paint masks
- Sealing parts of your model before painting (i.e. with silver or metallic colors)
- Painting over and sealing already sprayed markings before sanding off the edges. The transparent base coat protects the color against discoloration when sanding.
- As a smooth and glossy base before applying decals
- To protect decals before sanding them over
- To protect rub-on markings and removing the leftover glue
- As a clear coat. We can deliver them in different gloss levels (glossy, silk mat, mat). When using glossy transparent base coat some manual polishing is required.

Ideal for painting are nozzles with a size from 0.8 to 1.0. For smaller details size 0.5 is the most suited. You may also use airbrush-guns, but you may need to dilute the paint a bit more.

Depending on the color the base coat may cover with one or two spraying passes. Only colors like yellow may need additional spraying passes. We recommend painting white base coat beforehand. In between all passes you should let the wet paint ventilate really good for about 10-15 minutes and 20°C (68°F). The colors are drying up very quickly, and you can already touch them and work with them (i.e. applying a new paint mask) after circa 20 minutes.

2K (component) Clear Coat:

We are offering the clear coat in glossy, silk mat and mat. They have to be mixed with a hardener. The mix ratio is 2:1. Depending on the use you can also mix in some thinner with a ratio of 70-100%. If you want a high-gloss clear coat finish use 30% thinner only. Be aware that this finish will also be a bit heavier when dried. Again you can use a universal thinner. If you are painting a sport model and want a high-gloss finish we advise to use a high-grade 2K acrylic thinner.

Generally you paint two passes with a flash-off time of around 10 minutes and a nozzle size of 0.8 to 1.0. After painting quickly clean all tools thoroughly. For drying 2K clear coat need 24 hours. Those are resistant against all sorts of fuel, even methanol.

Primer:

1K primer or 1K filler are diluted with universal thinner in a 1:1 ratio. You should also use nozzle size 0.8 to 1.0. The filler needs 30-45 minutes at 20°C (68°F) to be dry enough for sanding. If you have a thicker layer of filler or primer it needs more time to dry. For sanding the best

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option is a 3M "Soft sanding Sponge Pad – Superfine". Sand it dry only. We also offer 1K primer filled in spray cans.

2K primer are available in white, grey or black. 2K filler are mixed with 2K hardener in a 5:1 ratio and diluted with 15-30% thinner. If you have rough spots after sanding use less thinner (15%). Use the 2K filler generously to fill up all uneven spots. If you are using the 2K filler as a primer (i.e. for an aluminum finish), dilute it with 30% thinner. It is dry enough for wet or dry sanding after 24 hours.