Characteristics

- Easy to use
- Long pot life
- Pigmentable

Silicone Top Coat Matting

A silicone coat to cover your addition cured silicone product, to lower friction and shininess.

Description

Silicone Top Coat Matting is a 2 component addition curing silicone that may be applied on silicone objects. This will result in a matting effect and a surface with lower friction and less tackiness. This is especially useful for silicone objects that should have less friction and are not supposed to shine.

Advantages:

1) Lower friction coefficient
2) Matting
3) Transparent, thus easy to color using silicone dye.
4) Reduces stickiness of surface.
5) Reduces the tendency to attract hairs and dust on the surface.
6) No VOC
7) Food safe
8) Biocompatible (USP Class VI)
9) Elastic thus able to stretch and bend with the silicone surface. Elasticity is only 150%. Overstretching will cause cracks in the surface.

Technical data

Mixing ratio (weight)		[A:B]		1:1
Potlife @15oC Potlife @ 25oC Potlife @ 180oC		[Days] [Hours] [Minutes]		3 4-6 2
Demould time @ 180ºC		[Minutes]		10
Abbresion (Norman Test Tool continues paper 80µ)		[Turns]		80-100
Refractive index				1,41
Specific gravity		[g/cm^3]		1,03
Fluidiy		[mPa s]		1600

Please note that this product normally is used at room temeprature and then cured in the oven between 100 and 180oC.

Processing

Please make sure the silicone surface is clean and free of greases. Let solving and cleaning liquids evaporate sufficiently before application.

Mix the components separately in their original containers so as to mix in the filler that might have settled out. After this, mix A and B component in 1:1 mxi ratio.
You can now add a silicon dye if this is needed. Do not add more dye than 2% of the total weight of the mixture.

Apply a very thin layer (20µm is advised) of the product on the silicone surface. You can do this with a brush or an airbrush / air gun.

Please note: This is an addition curing silicone. This type of silicones may experience cure inhibition when coming into contact with sulphur, nitrogen, amino groups and metal salts. If you are not certain that the products you use (including gloves, spatulas and cups) contain these ingredients, please do a little test first! These components are often found in many latex gloves, some plasticines, glues, lacquers, condensation curing silicones, silicone caulk, natural rubbers and 3D printing materials (mainly stereo lithography).**Packing**
The products are packed in sets, for bigger quantities, please contact us.

Packing

The products are packaged as a kit with A:B = 1:1. For larger packages we ask you to contact us through the site.

Durability
Provided that the silicone is in closed container and stored in a cool and frost-free place, the shelf life is at least 1 vear.

Safety
The hardened mixture meets the FDA requirements if proper procedure has been followed. If you work with silicone frequently or in large amounts we recommend the use of gloves and to work in a well ventilated area. For safety information see the safety data sheet.