

platinum cured silicone

DRAGON SKIN & ECOFLEX

The Dragon Skin and Ecoflex lines of silicone rubbers are a series of high-performance elastomers used in a variety of applications. Both are popular choices for creating realistic and durable special effects, prosthetics and props in the film and theater industries. These silicones are also frequently used to create lifelike sculptures, masks and animatronics in the art and entertainment world.



DRAGON SKIN

SUSTAINABLE SILICONE RUBBER

Dragon Skin two-component, platinum-catalyzed silicone. After mixing both components, the mixture hardens into an extremely elastic, strong and durable rubber. Due to the combination of high elasticity (stretch), tensile strength and durability, this is the product for making complex and detailed molds. The high elasticity makes it possible to cast the most complicated shapes. No shrinkage or deformation occurs during the curing process. Due to the high tear strength and stretchability, it is also the ideal material for applications that require a lot of movement and flexibility. Dragon Skin is available in different hardnesses, expressed in the Shore A value, from very soft and stretchable to stiffer and firmer. This gives artists and designers the opportunity to achieve different levels of realism and durability in their projects.



Silicone	Shore	Working Time	Curing Time
Dragon Skin™ 10 VERY FAST	10 A	4 min.	30 min.
Dragon Skin™ 10 FAST	10 A	8 min.	75 min.
Dragon Skin™ 10 MEDIUM	10 A	20 min.	5 uur
Dragon Skin™ 10 SLOW	10 A	45 min.	7 uur
Dragon Skin™ 15	15 A	40 min.	7 uur
Dragon Skin™ 20	20 A	25 min.	4 uur
Dragon Skin™ 30	30 A	45 min.	16 uur

DRAGON SKIN FX/PRO

DESIGNED FOR SPECIAL EFFECTS

Dragon Skin FX/Pro™ is a soft, stable, high-quality platinum silicone rubber, specially designed for the creation of silicone make-up prosthetics and skin effects. Dragon Skin™ FX-Pro™ is compatible with Skin-Tite™ silicone adhesive and medical grade pressure sensitive adhesives for temporary bonding of silicone prosthetics. FX-Pro™ is soft and stretchable and has a Shore hardness of 2A. Dragon Skin FX-Pro™ can be combined with SLACKER™ plasticizer to obtain a very soft silicone gel for filling encapsulated silicone prosthetics. The result can be painted with the Smooth-On Psycho Paint™ silicone paint system.



DRAGON SKIN 10 AF / Anti Fungal = Schimmel Werend)

SPECIALLY FOR LINERS

Dragon Skin 10 AF Anti Fungal™ is an anti-fungal silicone suitable for making a variety of skin-safe cushioning device configurations that resist fungi for orthopedic and orthotic applications.



Silicone	Shore	Working Time	Curing Time
Dragon Skin 10 AF™	10 A	20 min.	5 hour

DRAGON SKIN 10 NV

EXTRA LIQUID

Dragon Skin 10 NV™ is a platinum-cured silicone rubber with a very low viscosity and therefore easy to pour. Bubble-free castings can be obtained without vacuuming. Dragon Skin 10 NV™ has impressive technical specifications, is easy to use and versatile. The working time is 15 minutes and the curing time 75 minutes (at room temperature). Vacuum degassing is not necessary. The color is milky white, semi-transparent.



Silicone	Shore	Working Time	Curing Time
Dragon Skin 10 NV™	10 A	15 min.	75 min.

ECOFLEX GEL

SILICONE GEL

Ecoflex Gel™ is an extremely soft, platinum silicone rubber gel specifically designed for creating silicone makeup appliances, for cushioning, creating gaskets, encapsulation, and other applications requiring a very soft silicone material.

Because Ecoflex™ GEL is so soft, it works very well as a silicone gel for filling encapsulated silicone makeup appliances and prosthetics.



Silicone	Shore	Working Time	Cure Time
Ecoflex Gel™	10 A	20 min.	5 uur

ECOFLEX

SUPER SOFT SILICONE RUBBER

Ecoflex™ Soft, softer, softest. . . Ecoflex™ rubbers are available in various hardnesses: Shore A-5 to 000-35. They are suitable for a variety of applications, including the manufacture of prosthetics, cushioning for orthotics and for special effects (particularly in animatronics where repetitive movements are required). Ecoflex™ products are certified skin safe by an independent body.



Silicone	Shore	Working Time	Curing Time
Ecoflex 00-10™	00-10	30 min.	4 hours
Ecoflex 00-20™	00-20	30 min.	4 hours
Ecoflex 00-20 Fast™	00-20	20 min.	1 hours
Ecoflex 00-30™	00-30	45 min.	4 hours
Ecoflex 00-50™	00-50	18 min.	3 hours

ECOFLEX NEAR CLEAR

HIGH CLARITY SILICONE

Ecoflex™ 00-31 Near Clear™ is an ultra-soft, platinum silicone that is clearer than other Ecoflex™ silicones. Versatile and easy to use, Ecoflex™ 00-31 Near Clear™ silicone rubber mixes 1A:1B by weight or volume and cures at room temperature with negligible shrinkage. Low viscosity allows for easy mixing and de-airing. Cured material is certified skin safe by a third-party laboratory. Color: Nearly colorless, nearly clear.

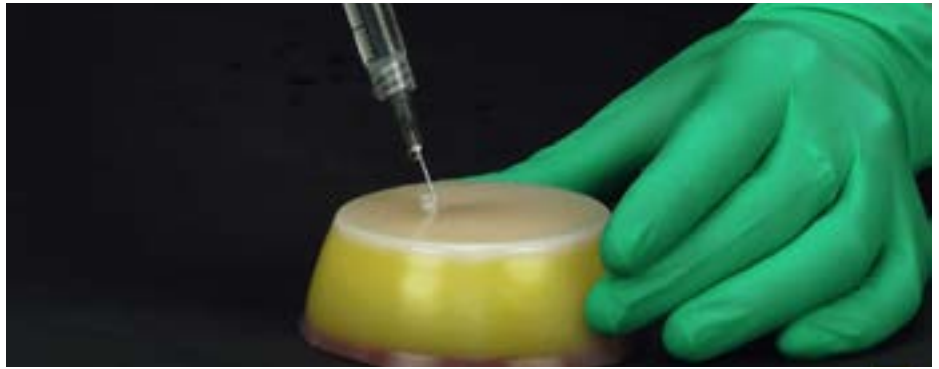


Silicone	Shore	Working Time	Curing Time
Ecoflex™ 00-31 Near Clear™	00-31	40 min.	4 hours
Ecoflex™ 00-45 Near Clear™	00-45	45 min.	4 hours

SLACKER

SILICONE PLASTICIZER

Slacker™ is a one component translucent clear liquid that is added to our translucent platinum cure silicones such as Dragon Skin™ and Ecoflex™ products. Slacker™ will change the feel of the silicone rubber to a softer, more “flesh-like” material. It also changes the rebound properties of the silicone, making it more like human tissue.



PLAT CAT

SILICONE ACCELERATOR

Plat-Cat™ Platinum Silicone Cure Accelerator is an additive designed to reduce the cure time of Smooth-On platinum silicone rubber products without significantly affecting the final physical properties. This allows for much faster demoulding of a casting or mould.



INHIBIT X

SILICONE STABILIZER

Inhibit X™ is a one component, low viscosity fluid that provides protection against cure inhibition (cure disruption) in the casting of platinum silicone rubbers. Sources of inhibition include sulfur clay, instant adhesives, tapes, wood surfaces, some plastics, SLA resins and many others.



SILICONE THINNER

SILICONE THINNER

Silicone Thinner™ is a non-reactive silicone fluid that reduces the viscosity of compounded silicone rubber, useful for both tin catalyzed and platinum catalyzed silicones.



DUROMETER HARDHEDEN ECOFLEX & DRAGON SKIN

Durometer Hardness			000	00-10	00-20	00-30	00-40	00-50	10-A	20-A	30-A
Ecoflex™ GEL	15 mins	2 hrs	█	█	█	█	█	█	█	█	█
Ecoflex™ GEL 2	20 mins	50 mins	█	█	█	█	█	█	█	█	█
Ecoflex™ 00-10	30 mins	4 hrs	█	█	█	█	█	█	█	█	█
Ecoflex™ 00-20	30 mins	4 hrs	█	█	█	█	█	█	█	█	█
Ecoflex™ 00-20 FAST	20 mins	1 hr	█	█	█	█	█	█	█	█	█
Ecoflex™ 00-30	45 mins	4 hrs	█	█	█	█	█	█	█	█	█
Ecoflex™ 00-31 Near Clear™	40 mins	4 hrs	█	█	█	█	█	█	█	█	█
Ecoflex™ 00-33AF Anti Fungal	45 mins	4 hrs	█	█	█	█	█	█	█	█	█
Ecoflex™ 00-35 FAST	2.5 mins	5 mins	█	█	█	█	█	█	█	█	█
Ecoflex™ 00-45 Near Clear™	45 mins	4 hrs	█	█	█	█	█	█	█	█	█
Ecoflex™ 00-50	18 mins	3 hrs	█	█	█	█	█	█	█	█	█
Dragon Skin™ FX- Pro™	12 mins	40 mins	█	█	█	█	█	█	█	█	█
Ecoflex™ 5	1 min	5 mins	█	█	█	█	█	█	█	█	█
Dragon Skin™ 10 VERY FAST	4 mins	30 mins	█	█	█	█	█	█	█	█	█
Dragon Skin™ 10 FAST	8 mins	75 mins	█	█	█	█	█	█	█	█	█
Dragon Skin™ 10 MEDIUM	20 mins	5 hrs	█	█	█	█	█	█	█	█	█
Dragon Skin™ 10 SLOW	45 mins	7 hrs	█	█	█	█	█	█	█	█	█
Dragon Skin™ 10 NV	15 mins	75 mins	█	█	█	█	█	█	█	█	█
Dragon Skin™ 10 AF Anti Fungal	20 mins	5 hrs	█	█	█	█	█	█	█	█	█
Dragon Skin™ 15	40 mins	7 hrs	█	█	█	█	█	█	█	█	█
Dragon Skin™ 20	25 mins	4 hrs	█	█	█	█	█	█	█	█	█
Dragon Skin™ 30	45 mins	16 hrs	█	█	█	█	█	█	█	█	█

