

DRAGON SKIN & ECOFLEX

A GUIDE TO SILICONES



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platinum cured silicone

DRAGON SKIN & ECOFLEX SERIES

The Dragon Skin and Ecoflex lines of platinum-cured silicone rubbers are skin-safe, high-performance, two-component elastomers known for their exceptional flexibility, tear strength, softness, and durability. All Dragon Skin and Ecoflex products are certified as skin-safe by an independent lab.

Key Qualities

- **Easy 1:1 mixing ratio**
- **Certified skin-safe**
- **Soft, stretchy, and very high tear strength**
- **Translucent, easy to pigment and paint**



These silicones are widely used in the film, theater, and entertainment industries to create realistic and long-lasting special effects, prosthetics, and props. Ideal for lifelike sculptures, masks, and animatronics, Dragon Skin and Ecoflex offer the perfect balance of stretch and resilience.

DRAGON SKIN 10 / 15 / 20

SUSTAINABLE SILICONE RUBBER

Dragon Skin™ 10/15/20 are the top choices for mold-making and prosthetics, known for their exceptional flexibility, tear resistance, and durability. They hold intricate details and retains shape even after repeated use, ensuring long-lasting, lifelike results. These silicones are ideal for special effects, costumes, and industrial applications, it delivers consistent quality and reliability.



- **Highest Tear strength**
- **Highest stretch (1000%)**
- **Different working and curing times**

Silicone	Shore	Working Time	Curing Time	Elongation at Break
Dragon Skin™ 10 VERY FAST	10 A	4 min.	30 min.	1000%
Dragon Skin™ 10 FAST	10 A	8 min.	75 min.	1000%
Dragon Skin™ 10 MEDIUM	10 A	20 min.	5 hour	1000%
Dragon Skin™ 10 SLOW	10 A	45 min.	7 hour	1000%
Dragon Skin 15™	15 A	40 min.	7 hour	771%
Dragon Skin 20™	20 A	25 min.	4 hour	620%

DRAGON SKIN FX/PRO

DESIGNED FOR SPECIAL EFFECTS

Dragon Skin FX/Pro™ is a soft, durable silicone rubber, ideal for creating makeup prosthetics and skin effects. It is compatible with Skin-Tite™ adhesive and medical-grade adhesives for temporary bonding. With a Shore hardness of 2A, FX-Pro™ is stretchable and can be further softened using Slacker™ plasticizer to create a silicone gel for encapsulated prosthetics. This unique silicone offers a long working time combined with a short cure time, allowing ample time for pouring or brushing while still curing quickly.



- **Soft**
- **Low Viscosity**
- **Long Working Time**
- **Fast Cure**

Silicone	Shore	Working Time	Curing Time	Elongation at Break
Dragon Skin™ FX/Pro	2 A	12 min.	40 min.	763%

DRAGON SKIN 10 NV & 20 NV

EXTRA LIQUID

Dragon Skin 10 NV™ and **Dragon Skin 20 NV™** are lower viscosity versions of the “original” Dragon Skin series and can produce bubble-free castings without vacuum degassing. They cure in 75 minutes and 30 minutes respectively with a 15 and 6-minute working time. Both feature a milky white, semi-transparent finish.



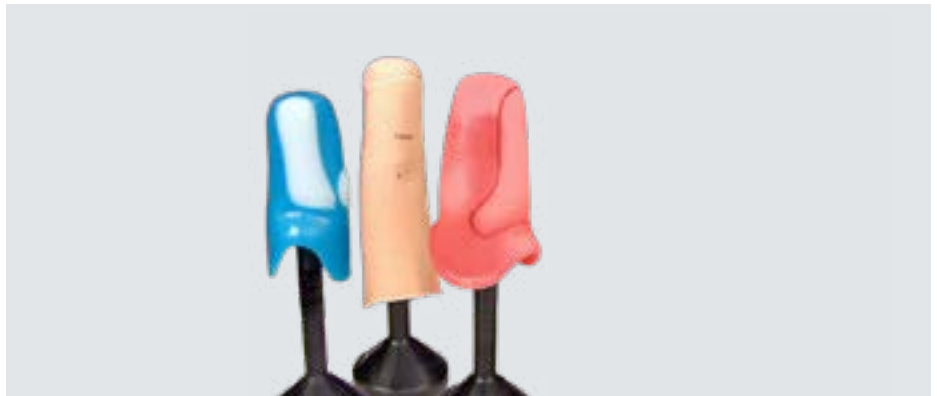
- **Lowest viscosity**

Silicone	Shore	Working Time	Curing Time	Elongation at Break
Dragon Skin 10 NV™	10 A	15 min.	75 min.	663%
Dragon Skin 20 NV™	20 A	6 min.	30 min.	672%

DRAGON SKIN 10 AF / Anti Fungal

SPECIALLY FOR LINERS

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



- **Anti Fungal properties**

Silicone	Shore	Working Time	Curing Time	Elongation at Break
Dragon Skin 10 AF™	10 A	20 min.	5 hour	1000%

DRAGON SKIN 30

HARDER SILICONE

Dragon Skin 30™ is the hardest of the Dragon Skin series; this makes it the best choice for medical devices or novelty toys.



- **Highest shore hardness**

Silicone	Shore	Working Time	Curing Time	Elongation at Break
Dragon Skin 30™	30 A	45 min.	16 hour	364%

ECOFLEX NEAR CLEAR

HIGH CLARITY SILICONE

Ecoflex™ 00-31 Near Clear™ and **Ecoflex™ 00-45 Near Clear™** are ultra-soft, nearly colorless silicones. They are ideal for complex soft molds (allowing for easy viewing during cutting) or medical and artistic projects requiring greater clarity than other Ecoflex silicones.

- **Clearest**



Silicone	Shore	Working Time	Curing Time	Elongation at Break
Ecoflex™ 00-31 Near Clear™	00-31	40 min.	4 hour	900%
Ecoflex™ 00-45 Near Clear™	00-45	45min.	4 hour	980%

ECOFLEX

SUPER SOFT SILICONE RUBBER

Ecoflex™ rubbers are available in a range of softness levels, from a Shore A-5 to a super-soft 00-10, making them ideal for prosthetics, orthotic cushioning, and special effects, particularly animatronics requiring repetitive motion.

- **Soft and stretchable**



Silicone	Shore	Working Time	Curing Time	Elongation at Break
Ecoflex 00-10™	00-10	30 min.	4 hour	800%
Ecoflex 00-20™	00-20	30 min.	4 hour	845%
Ecoflex 00-20 Fast™	00-20	20 min.	1 hour	845%
Ecoflex 00-30™	00-30	45 min.	4 hour	900%
Ecoflex 00-50™	00-50	18 min.	3 hour	980%

ECOFLEX GEL

SILICONE GEL

Ecoflex Gel™ and **Ecoflex Gel 2™** are ultra-soft silicone gels ideal for silicone makeup appliances, cushioning, gaskets, encapsulation, and other applications requiring soft materials. They are excellent for filling encapsulated makeup appliances and prosthetics.

- **Supersoft Silicone Gels**



Silicone	Shore	Working Time	Curing Time	Elongation at Break
Ecoflex Gel™	000-35	15 min.	2 hour	1000%
Ecoflex Gel 2™	000-34	20 min.	50 min.	1000%

ECOFLEX 00-35

SUPER SOFT AND SUPER FAST

Ecoflex™ 00-35 FAST is a soft, fast-curing platinum silicone with a 2.5-minute pot life and a 5-minute cure time. Its low viscosity allows for easy pouring, and it cures tack-free, exhibiting extreme softness, strength, and stretchability. This off-white, translucent silicone can be pigmented with Silc Pig™ colors. It's our fastest-curing silicone!

- **Fastest curing**



Silicone	Shore	Working Time	Curing Time	Elongation at Break
Ecoflex 00-35™	00-35	2.5 min.	5 min	900%

ECOFLEX 00-33 AF / Anti Fungal

SPECIALLY FOR LINERS

Ecoflex™ 00-33 AF is a silicone rubber that resists the growth of fungi. Pot life is approximately 45 minutes and the rubber cures within 4 hours with negligible shrinkage. This silicone is suitable for making a variety of skin-safe cushioning devices, which are fungal resistant for orthopedic and orthotic applications.

- **Anti Fungal**



Silicone	Shore	Working Time	Curing Time	Elongation at Break
Ecoflex 00-33 AF™	00-33	45 min.	4 hour	900%

ECOFLEX 5

SOFT AND SUPER FAST

Ecoflex 5™ is dispensed using our convenient cartridges. Cured rubber is extremely stretchable, stretching many times its original size without tearing and will rebound to its original form without distortion. Dispense gun needed.

- **Cartridge dispensing system**



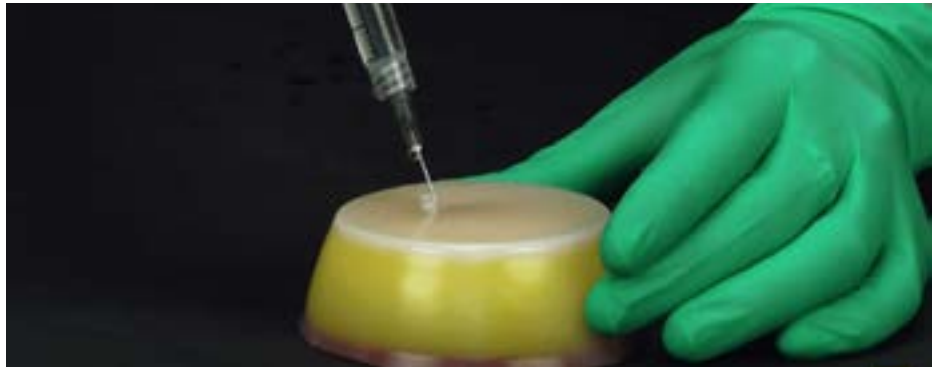
Silicone	Shore	Working Time	Curing Time	Elongation at Break
Ecoflex 5™	5A	1 min.	5 min.	1000%

SLACKER

SILICONE PLASTICIZER

Slacker™ is a translucent, clear liquid additive for our translucent platinum-cure silicones, such as Dragon Skin™ and Ecoflex™. Slacker™ softens the silicone rubber, creating a more “flesh-like” feel. It also modifies the rebound properties, making the silicone more closely resemble human tissue.

- **Modifier**



PLAT CAT

SILICONE ACCELERATOR

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

- **Accelerator**



INHIBIT X

SILICONE STABILIZER

Inhibit X™ is a low-viscosity fluid that prevents cure inhibition when casting platinum silicone rubbers. Cure inhibition can be caused by various materials, including sulfur clay, instant adhesives, tapes, wood surfaces, some plastics, SLA resins, and many others.

- **Anti-Inhibition Coating**



SILICONE THINNER

SILICONE THINNER

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

- **Lowers Viscosity**



DUROMETER HARDNESS 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	█	█	█	█	█	█	█	█	█



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