

TopClear System

TopClear / Gelcoat / Finish Coat

The TopClear System is a shiny, translucent or colored, resistant to UV, and a high build (100% solid) product.

Brushable or sprayable

Multiple media

- Wood
- Composites
- Glass, carbon Fabrics etc....
- Paper, cardboard, leather
- Foam (PVC, PU, PS....)
- Metal
- Stone, marble, concrete
- Others – please consult us

Application

- Finishing for cosmetic parts
- Glass / hot coat
- Varnishing
- Surfacing
- Laminating of small parts (tuning, scenery...)
- Carbon " look " (against pins)
- Light binding, non-structural bonding
- Surf board repairs , fixing fin box
- Table Top
- Clear gel coat

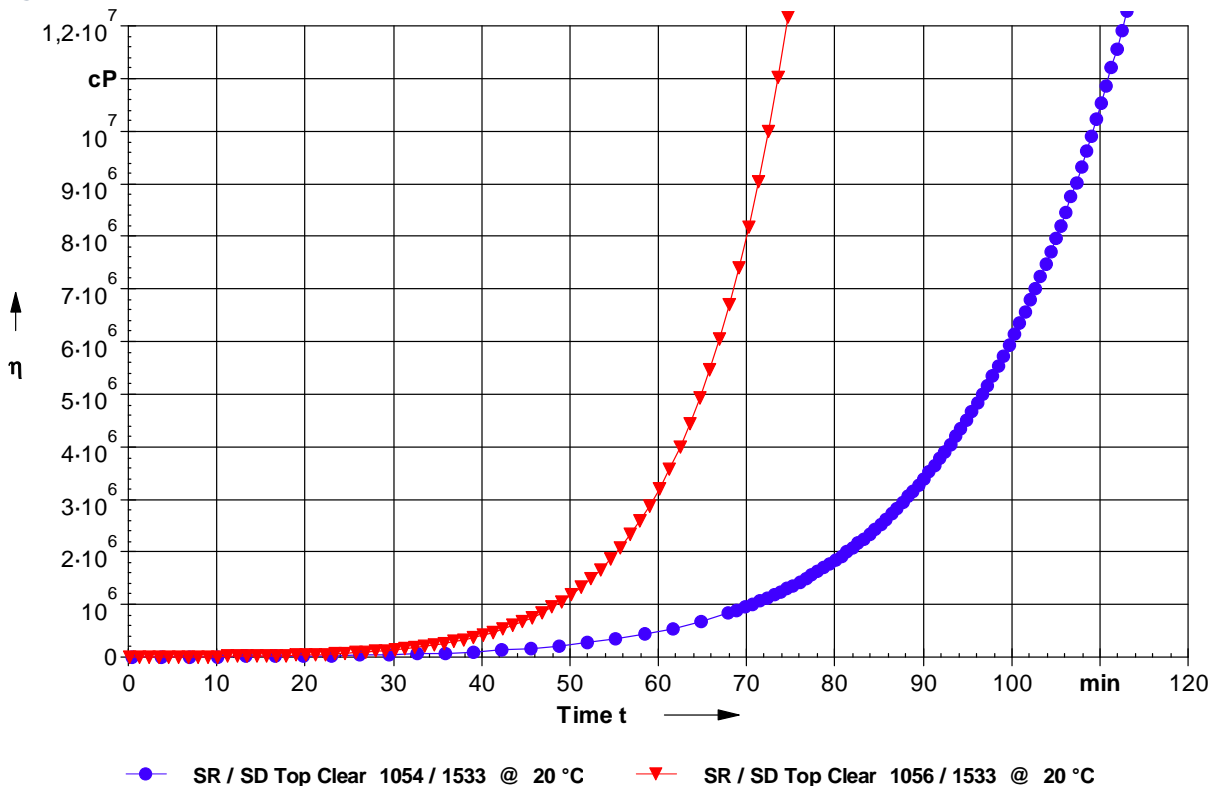
Physical characteristics

| | SR TopClear 1056 | SR TopClear 1054 | SD TopClear 1533 |
|--------------------------|----------------------|------------------|------------------|
| Reactivity | Fast | Slow | |
| Nature | Resin | | Hardener |
| Color | Clear Gardner < 2 | | |
| Refractive index @ 25 °C | 1.4745 | 1.4749 | 1.5002 |
| Dry extract (%) | 100 | | |
| Viscosity (cP.s) | | | |
| @ 15 °C | 2 500 ± 500 | 2 800 ± 555 | 1 500 ± 300 |
| @ 20 °C | 1 500 ± 300 | 1 600 ± 320 | 1 000 ± 200 |
| @ 25 °C | 900 ± 180 | 970 ± 195 | 700 ± 140 |
| @ 30 °C | 600 ± 120 | 620 ± 125 | 500 ± 100 |
| @ 40 °C | 250 ± 50 | 280 ± 55 | 300 ± 60 |

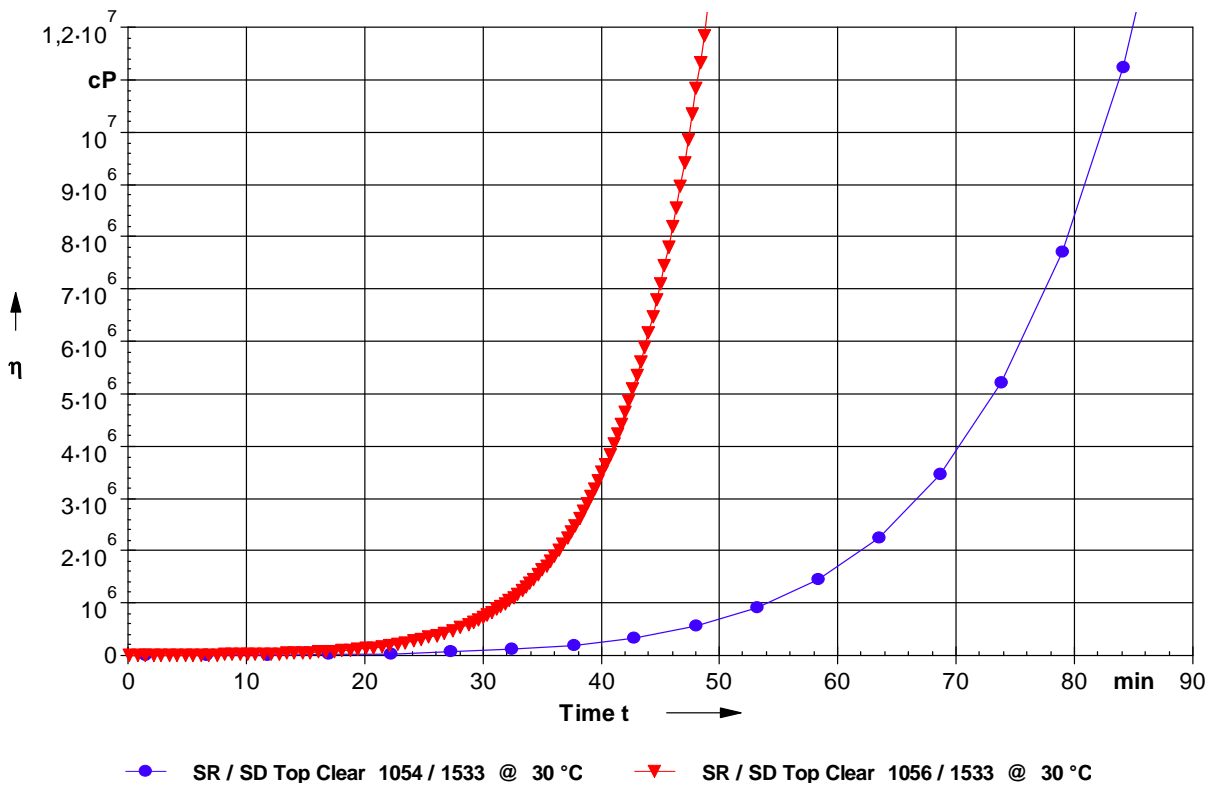
Mix SR TopClear 105x / SD TopClear 1533

| | SR TopClear 1056 / SD TopClear1533 | SR TopClear 1054 / SD TopClear 1533 |
|---------------------------------------|---------------------------------------|--|
| Mix ratio by weight | 100 / 66 | 100 / 66 |
| Mix ratio by volume | 100 / 62 | |
| Initial Viscosity (cP.s) | | |
| @ 20 °C | 2 050 ± 410 | 2 800 ± 560 |
| @ 30 °C | 1 700 ± 340 | 1 200 ± 240 |
| Glass transition Tg onset:by DSC (°C) | | |
| Room temperature 24 hrs | 60 | 60 |
| Room temperature + 16 hrs @ 40 °C | 75 | 66 |
| Room temperature + 16 hrs @ 60 °C | 85 | 80 |

**Evolution of the viscosity on 1 mm film
@ 20°C**



@ 30 °C



Surface Preparation

The surface must be dry and clean, sanded with a 120 grain, with no dust or substance that could interfere with the adhesion, like for example: waxes, oil, grease or surfactant. In case of lamination or a gelcoat application, please consult us in regards to the release agent treatment

Use and application

Application Temperature: minimum 15 °C
 Please shake before use.
 Prepare the right quantity needed for the application

Mix well both components together quickly respecting the ratios.
 Application time with no thinner: 5mn

Thinning / Solvent :

Thinner: SICOMIN Thinner Abu
 Sprayable application: dilute from 5% to 20 % straight after mixing the resin and hardener

Drying time @ 20 °C

| | SR TopClear 1056 / SD TopClear 1533 | SR TopClear 1054 SD TopClear 1533 |
|-------------------------|--|--------------------------------------|
| Dust free : | 20 min | 40 min |
| Dry to the touch: | 25 min | 1 hr |
| Sanding when dry: | 2 hrs 30' | 3 hrs |
| Second coat: | | |
| Minimum | 30 mn | 60 mn |
| Maximum without sanding | 48 hrs | 48 hrs |

Kit Available

| SR TopClear 1054 | SD TopClear 1533 |
|------------------|------------------|
| 1 kg | 0.66 kg |
| 4.5 kg | 2.97 kg |
| 15.15 kg | 10 kg |
| 151 kg | 200 kg |

| SR TopClear 1054 Blanc | SD TopClear 1533 |
|------------------------|------------------|
| 1.22 kg | 0.66 kg |
| 5.5 kg | 2.97 kg |
| 18.52 kg | 10 kg |
| 185 kg | 200 kg |

| SR TopClear 1056 | SD TopClear 1533 |
|-------------------------|-------------------------|
| 1 kg | 0.66 kg |
| 4.5 kg | 2.97 kg |
| 15.15 kg | 10 kg |
| 151 kg | 200 kg |

| SR TopClear 1056 Blanc | SD TopClear 1533 |
|-------------------------------|-------------------------|
| 185 kg | 200 kg |

Others please consult us

Coloring

The TopClear system is compatible (10% maximum) with our coloring system "Color Paste"

Available RAL:

1023 – Traffic Yellow

3001 – Signal Red

5002 – Ultramarine Blue

5015 – Sky Blue

6002 – Leaf Green

8003 – Clay Brown

9005 – Jet Black

9010 – Pure White

Other Colours please consult us

Safety precautions

Avoid contact with water and solvents before and after mixing

A small quantity of water can accelerate the polymerization process

A high humidity content can significantly reduce the use time and lower the clearness of the product (bubbles)

Please use protective items like gloves, masks, protective eyewear

Please see Material Safety Data Sheets

Storage

After use, please close back tightly the packaging.

Storage temperature between 5 °C and 25 °C

6 months in its original closed packaging, after that even if the use by date is over, it does not mean that the product cannot be used. Please call us.

Cleaning your work tools

Clean quickly your tools after use with the SICOMIN Thinner Abu

Before polymerization wipe off and eliminate any traces with a solvent

After polymerisation: mechanical cleaning

Chemical resistance

Good resistance to acids and weak bases.

Limited resistance to organical solvents

Others, please consult us