NSC-2000

«Features
NFC-2000 is the thermo-curable silicone based coatings suitable for PMMA.

(1) Excellent anti-scratch property
No significant decrease of hardness has been observed during prolonged use
(2) Good abrasion resistance
Δhaze less than 5% (Taber abrasion test: CS-10F 500g load ×100 lotations)
(3) Good finish without orange peel skin, cruck nor chalking
(4) Excellent weatherbility
stable more than 1000hrs by QUV test
(5) Long shelf life
stable more than 3 months stored in cool and dard area

«Typical applications»
PMMA sunglasses, PMMA far-sighted glasses, PMMA magnifying glasses
PMMA molding parts

«NSC-2000 cured film properties»

- Anit-scratch property
  1kg load ×100 reciprocation (steel wool #0000) ΔHz less than 0.3
- Refractive index of cured film
  1.44
- Adhesiveness(cross cut tape stripping)
  100/100
- Hot water resistance (80degrees C×30min)
  Appearance no change
  Adhesiveness(cross cut tape stripping) 100/100
- Solvent resistance
  Good
- Acid resistance, Alkaline resistance
  Good

«NSC-2000 physical properties»

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>% solid</td>
<td>21-23%</td>
</tr>
<tr>
<td>viscosity</td>
<td>20°C 8.5-10.5 mPa·s</td>
</tr>
<tr>
<td>specific gravity</td>
<td>20°C 0.91-0.93 g/cm3</td>
</tr>
<tr>
<td>pH</td>
<td>20°C 5.0-6.0</td>
</tr>
</tbody>
</table>
NSC-2000 technical data

Recommended coating procedure:

1. Washing:
   - Washing with aqueous neutral detergent solution (sonification)
   - Washing with running water
   - Draining

2. Coating:
   - Coating room temp: 20±2°C
   - Humidity: less than 50%RH
   - Coating liquid temp: 20±2°C
   - Hoist speed: 30cm/min

3. Pre-curing:
   - 80 degree C × 10min

4. Curing:
   - 80 degree C × 2.0hrs

5. Cooling:
   - To room temperature

Applicable thinner:
- Isopropyl alcohol (IPA)
  - In the case of loss of low boiling solvents by vaporization
  - Over dilution may cause undesirable effects

Packing:
- NSC-2000 18kg UN certified poly-drum
- Tightly sealed, store in cool and dark area. Before use, warm to room temperature.

Cautionary statement:
- Flammable - keep fire away, need appropriate ventilation
- In the case of eye contact, washing with plenty of running water and ask physician immediately
- In the case of awful feelings caused by inhalation of vapor or accidental ingestion, ask physician immediately.
- In the case of skin contact, washing with plenty of running water immediately.
- If you feel itch or inflammation, ask physician.

Contact information