

SELECTIVE CONFORMAL COATING AND DISPENSING SOLUTIONS

VALVE SELECTOR

| Valve Version | Pinch | Needle | Micro Needle | Mini Spool | HP Spool | Diaphragm | Rotary DMP | Rotary | Spray |
|---|-------|---------|--------------|------------|----------|-----------|------------|--------|-----------------|
| | CFP12 | CFN20SS | CFM40SS | CFH22 | CFH20SS | CFD20 | CFR50P | CFR70 | CFS25P/CFS40RSS |
| Micro shots | ✘ | ◆ | ● | ◆ | ✘ | ◆ | ◆ | ● | ✘ |
| Dots | ● | ● | ● | ● | ● | ● | ● | ● | ✘ |
| Lines/Beads | ● | ● | ● | ● | ● | ● | ● | ● | ✘ |
| Potting & Encapsulation | ◆ | ◆ | ◆ | ● | ● | ● | ● | ● | ✘ |
| Packaging/Filling | ● | ● | ● | ● | ● | ● | ◆ | ◆ | ✘ |
| High Pressure | ✘ | ✘ | ✘ | ● | ● | ✘ | ✘ | ✘ | ✘ |
| Sprayed | ✘ | ✘ | ✘ | ✘ | ✘ | ✘ | ✘ | ✘ | ● |
| VISCOSITY | | | | | | | | | |
| High | ✘ | ✘ | ✘ | ● | ● | ✘ | ● | ● | ✘ |
| Medium | ✘ | ✘ | ◆ | ● | ● | ✘ | ● | ● | ✘ |
| Low | ● | ● | ● | ◆ | ◆ | ● | ✘ | ✘ | ● |
| APPLICATION | | | | | | | | | |
| Activators | ● | ● | ● | ◆ | ◆ | ● | ✘ | ✘ | ● |
| Alcohol | ● | ● | ● | ◆ | ◆ | ● | ✘ | ✘ | ● |
| Anaerobics | ● | ✘ | ✘ | ✘ | ✘ | ● | ● | ✘ | ✘ |
| Brazing Paste | ✘ | ✘ | ✘ | ✘ | ✘ | ✘ | ✘ | ● | ✘ |
| Conformal Coatings | ✘ | ◆ | ◆ | ◆ | ◆ | ● | ✘ | ✘ | ● |
| Cyanoacrylates | ● | ✘ | ✘ | ✘ | ✘ | ● | ✘ | ✘ | ✘ |
| Epoxies | ◆ | ◆ | ◆ | ◆ | ◆ | ✘ | ● | ● | ✘ |
| Flux (liquid) | ● | ● | ● | ◆ | ◆ | ● | ✘ | ✘ | ● |
| Flux (paste) | ✘ | ✘ | ✘ | ● | ● | ✘ | ● | ● | ✘ |
| Greases | ✘ | ✘ | ◆ | ● | ● | ✘ | ● | ● | ✘ |
| Inks | ● | ● | ● | ◆ | ◆ | ● | ✘ | ✘ | ● |
| Lacquers | ◆ | ◆ | ● | ◆ | ◆ | ● | ✘ | ✘ | ● |
| Mold Releases | ● | ● | ● | ◆ | ◆ | ● | ✘ | ✘ | ● |
| Oils | ● | ● | ● | ◆ | ◆ | ● | ✘ | ✘ | ● |
| Paints | ● | ● | ● | ◆ | ◆ | ● | ✘ | ✘ | ● |
| Reagent | ◆ | ● | ● | ✘ | ✘ | ● | ✘ | ✘ | ● |
| RTV Silicone | ✘ | ✘ | ✘ | ● | ● | ✘ | ● | ● | ✘ |
| Solder masks | ● | ◆ | ◆ | ● | ● | ● | ✘ | ✘ | ✘ |
| Solder pastes | ✘ | ✘ | ✘ | ◆ | ◆ | ✘ | ◆ | ● | ✘ |
| Solvents | ● | ● | ● | ✘ | ✘ | ● | ✘ | ✘ | ● |
| Two-part adhesive | ● | ✘ | ✘ | ✘ | ✘ | ✘ | ● | ✘ | ✘ |
| UV cure adhesive (liquid) | ◆ | ✘ | ● | ◆ | ✘ | ● | ✘ | ✘ | ● |
| UV cure adhesive (gel) | ✘ | ✘ | ● | ● | ✘ | ✘ | ● | ● | ✘ |
| UV cure with anaerobic | ● | ✘ | ✘ | ✘ | ✘ | ● | ● | ✘ | ✘ |
| <p>EXCELLENT ● AVERAGE ◆ DO NOT USE ✘</p> | | | | | | | | | |

MATERIALS: CONFORMAL COATINGS, ACRYLICS, URETHANES, SILICONES, RTV, BI-COMPONENT MATERIALS, ETC.



VALVE SELECTOR

Recommended = ●

| Valve Type | Viscosity Range | | | Small shot Accuracy by Viscosity Range | | | Disposable Material Path | Field Replaceable wetted parts | High Flow Rate | High Feed Pressure | Aggressive Material | Abrasive Material | Atomizing Spray |
|-------------|-----------------|-----|------|--|-----|------|--------------------------|--------------------------------|----------------|--------------------|---------------------|-------------------|-----------------|
| | Low | Med | High | Low | Med | High | | | | | | | |
| CFP12 | ● | | | | | | ● | ● | | | ● | | |
| CFH20SS | | ● | ● | | | | | ● | ● | ● | ● | | |
| CFH22 | | ● | ● | | ● | ● | | ● | | ● | | | |
| CFN20 | ● | | | ● | | | | ● | | | ● | | |
| CFM40 | ● | ● | | ● | ● | | | ● | | | ● | | |
| CF25P/40RSS | ● | | | | | | | ● | | | ● | | ● |
| CFS20 | ● | | | | | | | ● | | | ● | | ● |
| CFR540P | | ● | ● | | ● | ● | ● | ● | | | | ● | |
| CFR70 | | ● | ● | | ● | ● | | ● | | | ● | ● | |

Viscosity Rating; Low = Up to 30K Cps; Med = 30K-100K Cps; High = 100K Cps - up

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