

JS-HF41217 SR CLEAR

(Self-Restoring Clear Ink)

JS-HF41217 SR Clear is 2 pack type ink with high elastic force and function of restoring dent flaw caused by scratch, etc. Printed ink layer of this Clear is excellent in resistance to scratch and abrasion.

Application	Protection for surfaces of plastic products
Special Features	<ul style="list-style-type: none"> • Self-restoring function for dents and scratches. • High elongation property by vacuum forming • Halogen compounds (Chlorine (Cl), Bromine (Br)) are not intentionally used in raw materials.
Substrate	Polycarbonate, Easy adhesion treated polyester, Soft & Hard PVC
Dilution	<p>Z-703 SOLVENT (standard) Dilution 0 to 10%</p> <p>*Do not use other solvents as they may cause contamination of halogen compounds and may adversely affect curing, adhesion, stencil stability, or other properties.</p>
Catalyst/Promoter mixing	<p>SP-SR CATALYST 20% (standard) Pot Life 5 hrs.</p> <p>*The ink will turn to gel after the pot life has expired. Be sure to mix only enough to use</p>
Recommended Cleaner	Screen Cleaner L2
Mesh	T 150 to 250 mesh (Coverage would be about 28m ² /kg at 150 mesh)
Drying	80°C 60 min
Caution	<ul style="list-style-type: none"> • Do not use solvents and catalysts other than the designated ones because of the possibility of contamination with halogen compounds. • Please check the squeegee rubber, emulsion, materials and substrates before use, as they may contain halogen compounds. • Checking before production: Adhesion and resistance properties may change due to differences in substrates, processes, printing and drying conditions. Be sure to check the adhesiveness and resistance properties before mass production printing. • The thickness of the printed ink layer affects the ability to restore scratches, and a printed ink layer of 10μm or more provides stable restoration function. In addition, the speed of scratch restoration can be improved by heating the printed ink layer.

Safety

UN No.: 1210
UN Classification: Class 3 Flammable

Handling

- Use safety gloves and eyeglasses to protect skin and eyes. If the ink comes in contact with skin, wash with soap and plenty of water (or lukewarm water) and consult with a doctor.
- Containers should be closed tightly after use and stored in a cool and dark place.
- SDS is available upon request. Please request a copy and read it carefully before handling the products.

Resistance

Test item	Test Conditions	Test results
Adhesion	JIS K 5600-5-6:ISO2409 (cross-cut), 1mm interval 6×6、cellophane tape and peel	0(no peel)
Pencil Hardness	JIS K 5600-5-4、Weight 750g, Hardness of the pencil which does not make scar	HB
Heat	JISK5600-6-3:ISO 3248: 80°C 200 hrs. check appearance and peel off from the substrate	No defect
Humidity	JIS K 5600-7-2 (continuous condensation) : 60°C95%RH 192 hrs. check appearance and peel off from the substrate	No defect
Boiling	Soak 30 min in boiling water, check appearance and peel off from the substrate	No defect
Scrub	Steel wool #0000、weight 100g/cm ² 、20 back and forth、check appearance	No scratch
Gasoline	Gakushin scrub tester, with gasoline soaked cotton, 200g weight, 300 back and forth, check appearance	No defect
Acid	Soak 24 hrs. in 5% hydrochloric acid、check appearance and peel off from the substrate	No defect
Alkali	Soak 24 hrs. in 5% caustic soda, check appearance and peel off from the substrate	No defect
Chemical	Apply Nivea on printed ink layer,40°C95%RH(24hrs.)、check appearance	No defect
Solvent	Soak 24 hrs. in ethanol, check appearance	No defect
Blocking	Weight 200g/cm ² 、80°C 24 hrs. check appearance	No defect

*Test condition 【JS-HF41217 SR CLEAR】 【SP-SR CATALYST 20%】 【T 250】
【80°C 60 min, then 24 hrs. at room temperature】
【Substrate: Policaace EC100C 0.5mm】

*Above resistance test results are measured results in our laboratory and they are not guaranteed values.

*Information contained in this catalog may change without prior notice.

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