

Adhesive for steel sheets **SC481**

Features

- SC481 is an adhesive for one-liquid baking film method for polypropylene steel plate.
- SC481 perform superior heat resistance and water resistance.

Structure

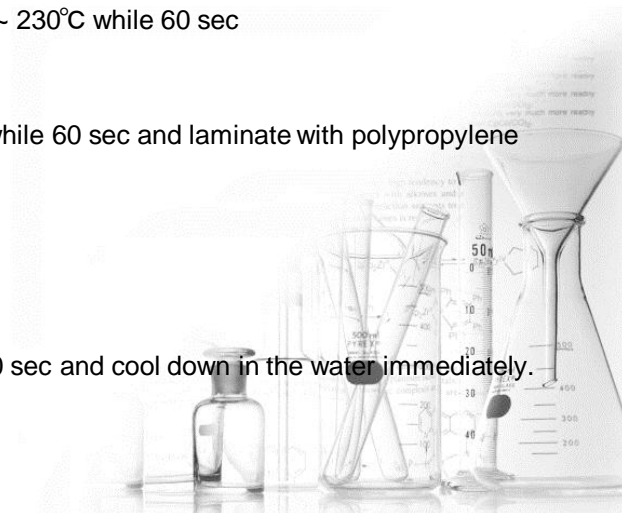
Main component	Polypropylene resin base
Solvent	Toluene, Cyclohexane
Color	Yellowish translucent
Viscosity	22 ± 2 sec (ford cup No.4)
Solid content(wt%)	24 ± 1
Specific gravity	about 1.0
Diluent	Toluene, Cyclohexane
Container	15kg can, 150kg drum

Suitable use

- For out side panel of refrigerator and unit type bathtub.

Recommended condition

- Stir well before applying.
- Coat to 4 ~ 8g/m² (dry) on steel plate.
- Dried and baked adhesive coated steel plate to 210 ~ 230°C while 60 sec (Actual steel sheet temperature) and cool down.
- Reheat adhesive coated steel plate to 180 ~ 200°C while 60 sec and laminate with polypropylene sheet through laminator roll.
Lamination pressure : 98.07N/cm
Lamination speed : 8.0 ± 0.5m/min
Laminator roll temperature : 25 ± 5°C
- Reheat laminated steel plate to 160 ~ 180°C while 60 sec and cool down in the water immediately.



Technical data

Peeling strength	Initial (Room temperature)	
	Boil in water × 2Hrs	49N/20mm or film brake
Erichsen test (8mm extrusion) Appearance	Initial (Room temperature)	49N/20mm or film brake
	Peel	A
	120°C × 2Hrs	over 4
	Boil in water × 2Hrs	A

Caution

【Notes of storage】

- Store the product in a tightly closed container in a predetermined place at room temperature avoiding direct sunlight. Refer to the material safety data sheet (MSDS) and instruction manuals.
- Contains volatile, flammable liquid.
- Usable period is 12 months after production. Production date is recorded container.

【Notes of operation】

Check before operation

- Check the relevant MSDS and instruction manuals for precautions required for operation.
- Avoid eye and skin contact. Wear protective goggles and gloves.

Operation environment

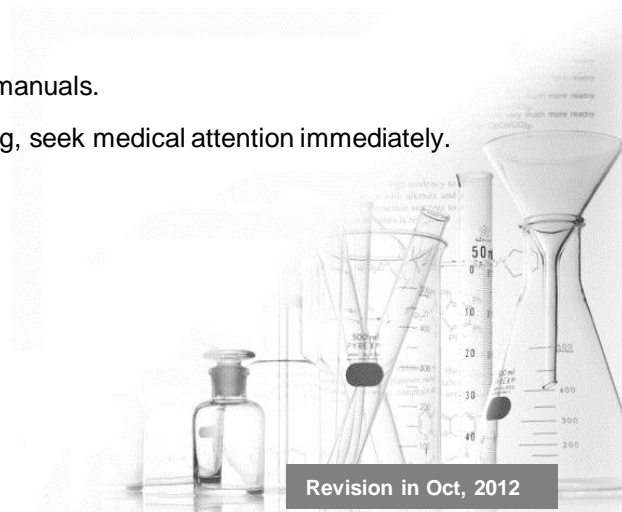
- Keep ignition sources away.
- Use a local ventilator to ensure sufficient air circulation.

First aid


- Learn action to take from the MSDS and instruction manuals.
- In case of eye contact, vapor inhalation or swallowing, seek medical attention immediately.

Prohibition of unintended use

- Never use the product except as an adhesive.



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 Note on the characteristic data given— Data on the characteristics of the products described in this catalog are based on the results of evaluations carried out by the company. This does not guarantee that the characteristics of the product conform with your usage environment. Before use, review the usage conditions based on evaluation data obtained from the equipment and substrates actually used.

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