

Adhesion Promoter

GENERAL INFORMATION

Adherent PPB is an additive which improves adhesion to non-treated polypropylene or PP / EPDM plastics.

PHYSICAL PROPERTIES

| | |
|----------------------|----------------------|
| Composition | chlorinated PP |
| Appearance | slight yellow liquid |
| Non-volatile content | 14 - 16 % |
| Solvent | toluene |
| Specific gravity | ca. 0.895 |

APPLICATIONS

PP substrate primers

KEY PROPERTIES

It is well-known that surface of PP is very difficult to adhere. Though PP can be surface pretreated with flame or corona, these treatments are limited due to their high cost of equipments or complicated operations.

These difficulties can be overcome by simply using **Adherent PPB** as primer or incorporating **Adherent PPB** into paint to promote adhesion to PP, PP/EPDM substrates. The water, gasoline and heat resistance of dried film are also improved.

INCORPORATION

Primer

- Dilute **Adherent PPB** with of solvent (toluene or xylene) to 5 - 10 times.
- Clean the substrate to remove residual grease or release agent.
- Spray the **Adherent PPB** solution, dried film thickness of 5 - 10 μ m, setting for 5 - 10 minutes.
- Apply acrylic lacquer or two-component PU top coat, setting for 5 - 10 minutes.
- Force dry at 80°C for 30 - 60 minutes.

As additive in paint

- Add 10 - 15 % of **Adherent PPB** based on total formulation and mix thoroughly.
- Clean the substrate to remove residual grease or release agent.
- Apply the paint containing **Adherent PPB**, setting for 20 - 30 minutes.
- Force dry at 80°C for 30 - 60 minutes.

LEVELS OF USE

Using as primer or 10 - 15 % based on resin.

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HANDLING AND SAFETY

- After storage for a long time, due to possible solvent evaporation the viscosity of **Adherent PPB** maybe will increase or become gel-like.
- Under such situation, please adding toluene and heating by water bath to recover and use then with in short time.
- As it contains solvents, the product requires special care in handling.
- Avoid any eye and skin contact.
- For further information please check MSDS. MSDS can be found on the company website at www.elementis-specialties-asia.com.

STORAGE RECOMMENDATIONS

- Keep away from sources of ignition and heat.
- Keep container tightly closed in a dry and well-ventilated place.
- Stored between 0°C to 40°C.
- Below 5°C, appearance may be cloudy or separation, please heat(water bath) to clear than stir to uniform.

PACKAGING

Net Weight: 25 kg

SHELF LIFE

Adherent PPB has a shelf life of 12 months from date of manufacture.

QUALITY ASSURANCE

Since 1992 the company is a holder of the ISO 9001 / ISO 9002 certificates, which guarantees that all operations are conducted according to the stipulated standards.

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