

***** Hei-Mex 6509*****

1.Characterization

Water-based peelable coatings are known as the temporary protection of high-quality products, such as plastic and glass, from mechanical damage or the effects of the environment.

2. Specification

Property		Hei-Mex 6509	Remarks
Form supplied	-	Light white liquid	Water-based polyurethane resin
Film	-	Transparent	Polyurethane resin
Viscosity	mPa · s	6000	JIS K 7117-2
Non-volatile content	%	27	1.0g/2hours/80°C (convection oven)
Solvent content	%	14	n-Butyl cellosolve IPA 2-Propanol, 1-methoxy-

3.Film properties

Property		Value	Remarks
Tensile strength	MPa	22	JIS K 7113 (300mm/min)
Elongation at break	%	50	
Peeling property	-	ABS/PS/PMMA/PE/PP/PET/ PUR/PVC/Fe/Al/GLASS	· Peeling property (good).
Heat resistance	80°C	Within 3months Good peelability	· Recommended dry film thickness 50µm. · Do not expose to direct Sunlight. · Base material : PET
Weather resistance	1000hr	Good peelability	JIS K5600-7-7 · Dry film thickness 70µm. · Base material : FRP

These values provide general information and are not part of the product specification.

4. Necessary tools

Paint tools exclusively for water-based paints.

5. How to use

Apply the paint in the same way. When the coating is dry, it can be peeled off.

6. Drying conditions

After painting, let it dry at any temperature/hour. The drying time needs to be adjusted according to the thickness of the coating film, the environmental temperature, and the environmental humidity. As a measure of the time, please refer to the following conditions.

Temperature Thickness	A measure of finger drying time(Minutes)		
	25°C	40°C	60°C
20μm	22	7	3
50μm	60	20	8

※When the drying time is insufficient and the coating film is uncured, it is not possible to show the original peelability.

※The higher the environmental humidity, the slower it is than the above drying time.

7. Precautions for handling

This product is water soluble. When frozen in winter, the water contained is separated and the viscosity changes, and aggregates occur. Please keep it at 5-35°C, paying attention to freezing. To adjust the viscosity, add an appropriate amount of ion-exchanged water and mix well.

8. Notes on molding

If you want to thick film (100μm or more), dry at room temperature without heating.

9. Health and Safety Precautions

- Please be careful about ventilation as well as to install a local exhaust system in the work place.
- Be careful not to touch the skin directly, and wash it off with soapy water immediately if it comes into contact.
- It may become a rash if left in contact for a long time.
- If the raw material enters your eyes, rinse your eyes with running water immediately for about 15 minutes and see an ophthalmologist.

10. Fire Services Act

Non-hazardous materials.