

# Mechanical trait for the Eco Thermo Coat

18/Nov/2009

MARUSYOSANGYO CO., LTD.

NEW DEVELOPMENT DIV

## 1. Properties / Mechanical trait

Transmissivity: proximately 80%

Infrared ray shield factor : : proximately 80~86%

UV shield factor: proximately 93-99%

\*Properties are depended on application quantity

Degree of hardness: 3H -4H (Drying atmospherics: 20 degC applied after 1 week)

Cross cut adhesion test (crosscut): 100/100

Decay durability for rubbing: five years and above

Decay durability for heat shield capability: ten years and above

## 2. Spreading technique

### (1) General method

Hand coating

### (2) Special method

Spray gun coating

## 3. Drying method and time

### (1) Natural seasoning (at 20 degC)

Finger touch drying: over three hours

Complete drying: over one week

### (2) Drying by heating

Drying temperature: 100degC – 160degC

Drying time: 15 min – 30 min

## 4. Materials

### (1) Processable materials :

Glass	Several plastic materials
Several type of film	Textiles for thermal storage

### (2) Impossible :

Fluorine contained resin surface	heat-absorbing glass
Silicone resin surface	Wire-reinforced glass
Nontransparent products	Get wet's items