

## KARATE ALUMINIUM PAINT (DUAL PACK)

### ➤ Scope

Aluminium paint is the most cost-effective coating to withstand corrosion of mild steel. Besides, it is heat and light reflective whereby, the ambient temperature under a roof coated therewith, is lower by 5-7°C. To get the best effect of shiny aluminium, use must be made of fine leafing aluminium paste. Also, the medium used must have the lowest viscosity with highest possible solids and lowest acid value. This is necessary for getting the best leafing value, which provides long lasting brightness.

Karate aluminium paint is made with all the above said characteristics. It is dual pack : medium in a bigger tin and paste into a smaller container. For the sake of convenience, the smaller pack is soldered to the lid of the larger can and the paste can be easily mixed into the medium can.

It is necessary to have dual package because the leafing value of aluminium gets lowered if the medium and paste (aluminium) are combined into one pack.

### ➤ Areas of Application

All mild steel articles, which need water resistance, can be coated with karate aluminium paint. It can be brushed as well as sprayed. It can safely be used for inside/outside coating of potable water tanks. It is also excellent for coating mild steel roofing sheets, under which the temperature will be lower by 5-7°C against outer temperature.

### ➤ Surface Preparation

See the pamphlet on surface preparation of metals.

### ➤ Technical Data

- APPEARANCE : Medium - Yellowish brown.  
Paste - Sparkling aluminium.
- VISCOSITY OF MEDIUM : 14 sec. At 30°C.
- VISCOSITY OF MIXED PAINT : 15sec. At 30°C.
- WEIGHT PER LITRE OF MEDIUM : 0.84 kg/ltr.
- WEIGHT PER LITRE OF THE MIXED PAINT : 0.88 kg/ltr.
- SPRAYING VISCOSITY. }  
• BRUSHING VISCOSITY } : 15 sec.
- THINNER TO BE USED : NONE
- DRYING TIME : Touch dry : 45 to 50 min.  
Dust free : 3 to 3½ hrs.  
Thumb impression free : 4 to 4½ hrs.  
Hard dry : 24 hrs.
- RECOATABILITY : 2 – 2½ hrs.

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### ➤ **Directions for Use**

Prepare the surface as directed earlier. Mix medium and paste thoroughly. Do not use high-speed mixer because under shear, aluminium flakes lose their leafing capacity. Do not use any thinner because the medium is pretty thin and does not need any further thinning when mixed with paste. Start brushing or spraying.

### ➤ **Notes**

If possible, use the mixed paint within 48 hours. Storage for a longer time reduces leafing value and the full brightness gets reduced to some extent.

### ➤ **Disclaimer**

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