

# Lacquer coat of outdoor installed cabinets

## 1. Purpose

Cable distribution cabinets made of sheet moulding compound (SMC) and glass-fibre reinforced composites, installed for outdoors use are recommended to a lacquer-treatment in order to protect against the weathering. Depending upon the location and climate zone the surface of a distribution cabinet erodes by the UV-Radiation for a thickness of max. 50µm in 20 years. However the mechanical characteristics of the enclosure are not impaired. The exposed glass-fibres, can come in contact with body and cause skin irritation, plus due to the increased surface roughness the conditions for moss formation is increased. An effective protection against the abovementioned effects is the UV-protective lacquer coating.

## 2. Field of application

For all distribution cabinets made by JEAN MULLER

## 3. Abbreviation and Definition

KVS = Cable Distribution Cabinet (CDC)

NVKS = Cable Distribution Cabinet (CDC)

EHFB = Cable Distribution Cabinet (CDC)

EHFERB = Cable Distribution Cabinet (CDC)

## 4. Procedure

- a. Lacquer-treatment can be done only on dry days at a temperature above 5°C.
- b. Clean the cabinet surfaces from rough impurities, e.g. by means of fleece, non-woven material, Scotch-Brite & home cleaning products.
- c. Residue oils, fats or adhesive stuck on the surfaces can be wiped away by using small quantities of solvent on a lint free rag.
- d. Subsequently, wipe off the whole cabinet surfaces with clean, dry and lint free rags.
- e. The cabinet must be dry for painting, therefore don't wipe off with wet cleaning rag.
- f. Use 2-components-acrylic lacquer. Colour of your choice.  
Standard colours: grey RAL7035, ETEL Green, ABB Green & Satin Black.  
Generally 1 kg lacquer is enough for the lacquer finish of two KVS of the size 2.  
The quantity can be changed according to the intensity of the coating.  
The lacquer is available in the following bundle sizes:  
500 ml including hardening agent: Article No. JMTE-PAINT/KIT500  
1 ltr including hardening agent: Article No. JMTE-PAINT/KIT1000
- g. Combine the lacquer with hardener in a ratio of 12:1 and stir well.
- h. Apply coating of the lacquer with paint-rollers, can also be done with paintbrushes, however the lacquer finish is not streak-free.
- i. Please be aware of the regulations to the prevention of industrial accidents and give attention to the manufacturer's details of the solvents and lacquer.
- j. Give enough attention to the service instructions of the power supply concerns. If necessary shut down the power supply by considering the safety rules for de-energizing.

