



SPECIFICATION FOR PVC HANDRAIL COVERS

APPLICATION, MATERIAL, STORAGE AND STANDARD

- KANTA SYSTEM PVC Handrail covers are provided along staircases and balconies for use on metal strip handrails.
- KANTA SYSTEM PVC Handrail covers have been conveniently covered with wood or aluminum.
- KANTA SYSTEM PVC Handrail covers are manufactured by extrusion process using plasticized PVC (Poly Vinyl Chloride) compound of desired formulation and colour.
- The advantage of PVC as material for handrail covers include; design, flexibility, availability in desired colours, and easy of installation, besides its availability in longer length.
- KANTA SYSTEM PVC Handrail covers are available in various colours mostly Black & Red, and are recommended for use depending upon their location – outdoor or indoor.
- Generally Black colour handrail cover is recommended for outdoor exposed use because the bright colours (other than black colour) will get faded in course of time when installed exposed to outdoor weather.

- KANTA SYSTEM PVC Handrail covers are normally made available in widths to match the desired width of metal strip, suitably welded as part of the handrail, with a view to providing comfortable grip. The common sizes shall suit metallic flats of width 40mm and 50mm.
- KANTA SYSTEM PVC Handrail covers can be made for other sizes like 25mm and 65mm depending upon the requirement of quantity.
- KANTA SYSTEM PVC Handrail covers are generally made in 25meters coil. However depending upon the user requirement the can be made 100meters coil.
- While storing the KANTA SYSTEM PVC Handrail covers, it is recommended that the material shall be stored with bundle, lying flat and height of the bundle shall not exceed 2.5meters
- Heavy materials should not be placed on top of the bundles. Sharp and metallic objects shall not be allowed to scratch the surface of the handrail cover. These precautions are also applicable for during transportation of the KANTA SYSTEM PVC Handrail covers.
- KANTA SYSTEM PVC Handrail covers are generally confirms to Bureau of Indian Standard IS: 12867: 1989

INSTALLATION OF KANTA SYSTEM PVC HANDRAIL COVERS

- The handrail – railings with suitable metallic flat support of desired width and thickness are required for selecting the KANTA SYSTEM PVC Handrail covers of matching dimensions.
- It is to be ensured that the M.S flat welded over the railing is flat and uniform/ smooth.
- KANTA SYSTEM PVC Handrail cover is suitably heated with (blow lamp) on the inside face uniformly at a temperature of around 80 degree centigrade, till it gets softness and becomes flexible.
- Mount one edge of the handrail on the metal runner of the railing and by an outward movement of the hand, stretch out the other end of the handrail and fit it over the other end of the metal runner.
- KANTA SYSTEM PVC Handrail covers should be wrapped tightly with a cloth bandages continuously so as to make it hug the metal runner.
- The handrail is ready for use on its cooling.
- Fixing of the KANTA SYSTEM PVC handrail cover is advised from the top of the staircase, and carried downward.
- Overheating of the KANTA SYSTEM PVC handrail cover is to be avoided or else it will deform itself in to design not acceptable by the MS flat support.
- When heated the KANTA SYSTEM PVC handrail cover tends to stretch. After fixing, the handrail cover should not be out off flush with the end of the support.
- A margin of 20 to 30mm is to be allowed for contraction, when uniformly it gets cooled. The extra portion of the handrail can be cut of the edges and a flat piece of PVC can be welded to form a covering cap. The joint should be made smooth, on cooling.

- The ends of the two pieces could be suitably welded when required. The end to be joined are pressed against a hot metal plate to permit softening of the PVC material and the metal plate is withdrawn downward while keeping the handrail ends pressed against each other till the joint cools down. The excess material visible on the surface of the joint is trimmed off with a sharp knife or blade and later the joint surface is filled with a rough file and finished with sand paper.
- In case of any damage to handrail in use, the same procedure may be followed.
- After installation, removal of weld marks and scratches, the KANTA SYSTEM PVC handrail cover should be cleaned with a rag soaked in quick drying solvent such as methylene chloride or methyl-ethyl ketone without applying any pressure. Polishing with colour less wax polish also recommended.
- Periodical cleaning with rag soaked in solution of good quality soap or detergent is recommended to remove dirt, stain and grease marks etc.