



Royston® Tapecoat®

Technical Data Sheet

DESCRIPTION

Royston Handy Cap IP and Handy Cap XL IP provide quick, field applied corrosion protection to anode and test wire leads welded onto metal substrates. The Handy Cap IP and XL IP are made using a durable plastic sheet that has a dome filled with a moldable compound to assure complete encapsulation of the item being protected. The sheet is then capped with an adhesive layer for easy and permanent application.

The Handy Cap IP and XL IP use Tapecoat's gray elastomeric adhesive with integrated primer. This exclusive formulation allows for faster application as there is no need to apply a separate primer when application temperatures are above 40°F. The Handy Cap XL IP has a similar construction as the IP, but it is designed for larger wires and welds areas.

The Handy Cap IP and XL IP can be applied by hand or using the Royston Key Hole Tool.

RECOMMENDED USE

Sealing the welded connection of a anode or test wire to a metal substrate. These products are ideal in limited access and key hole applications.

SUBSTRATE COMPATIBILITY

Steel, Stainless Steel, Ductile Iron, Other Metals, FBE, Epoxy, PE, PP

SURFACE PREPARATION

SSPC SP-3 Power Tool Cleaning or SSPC SP-6/NACE No. 3 Commercial Blast Cleaning

OPTIONAL PRIMER

Royston Handy Cap IP and Handy Cap XL IP have an integrated primer to allow for quick, easy and permanent adhesion. When required by the job specification or when application temperatures are below 40°F, a 4 mil WFT of Tapecoat Omniprime may be applied to the pipe surface to ensure the required bond.

SAFETY

Refer to Material Safety Data Sheet: MSDS-Handy Cap IP

APPLICATION

Refer to Application Guidelines: AG-HANDY-CAP

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Typical Technical Data

Property	Handy Cap IP	Handy Cap XL IP	Test Method
Overall Size	4" x 4" (101 mm x 101 mm)	5" x 5" (127 mm x 127 mm)	
Plastic Sheet Size	2.75" x 4" (70 mm x 101 mm)	2.75" x 4" (70 mm x 101 mm)	
Plastic Dome Height	0.8" (20 mm)	1.5" (38 mm)	
Plastic Dome Diameter	1.65" (42 mm)	1.75" (44 mm)	
Total Thickness	175 mils (4.44 mm)	190 mils (4.83 mm)	ASTM D1000
Sheet Thickness	10 mils (0.25 mm)	10 mils (0.25 mm)	ASTM D1000
Adhesive Thickness	165 mils (4.19 mm)	180 mils (4.57 mm)	ASTM D1000
Adhesion to Steel	10 lb/in (1.75 N/mm)	10 lb/in (1.75 N/mm)	ASTM D1000
Maximum Wire Size	8 AWG (8 mm ²)	2 AWG (35 mm ²)	
Holiday Detection Setting	5000 V	5000 V	
Service Temperature Range	-20°F to +140°F -29°C to +60°C	-20°F to +140°F -29°C to +60°C	

ORDERING INFORMATION

Handy Cap IP and XL IP

Product	Pieces Per Case	Case Weight
Handy Cap IP	20	5#
Handy Cap XL IP	10	6#