

Q – PAINTING WORK

1.0 GENERAL

All paints to be used shall be those supplied by the manufacturers approved by SIRIM. The brand name of the paint to be used shall be as stated by the Contractor at the time of tendering and agreed upon by the S.O. The quality of paints shall comply with M.S. 124 : 1989 in respect of emulsion paint and M.S. 125 : 1995 in respect of oil/enamel paint. The paint manufacturer shall provide SYABAS written warranty from the date of the certificate of Practical Completion.

Paints shall be delivered to the site in the manufacturer's original sealed containers unopened and shall be used strictly in accordance with the manufacturer's instruction

Paints shall not be adulterated and any paint that has deteriorated shall not be used and shall be removed from site forthwith.

The colours and tints of paints shall be selected by the S.O. and the priming, undercoats and finishing coats shall be of differing tints as approved and shall be obtained from the same manufacturer.

Painting work shall be done by skilled workmen approved by the manufacturer and appropriate equipment or tools shall be used.

No painting shall be done under conditions which may jeopardize the quality of finished paintwork.

During painting, care shall be taken to prevent stain or damage to other works.

Surfaces to be painted shall be dry, free from dirt, oil, grease, old loose paint and other deleterious matter. All cracks shall be raked out and stopped and all holes and dents shall be filled.

Unless otherwise specified in the manufacturer's instructions, each coat of paint applied on masonry or metal surfaces shall be allowed to dry and subsequently rubbed down lightly with sand paper before the next coat is applied. Any dirt or dust shall be removed from preceding coat immediately before proceeding with application of the next coat.

All priming to shop fabricated components shall be done at the shop.

Finished surfaces shall be uniform in finish and colour and be free from brush marks or other defects.

Sample areas showing all tints of paints to be used shall be prepared by the Contractor as and when required by the S.O.

SYABAS' STANDARD SPECIFICATION FOR PIPE LAYING WORK

First Edition : May 2007

2.0 PAINTING TO METAL WORKS

The areas to be painted shall be wire brushed to obtained a finished surfaces of St. 3 180 8510 – 1 : 1988 and be free from rust, scale, oil, grease, dirt and dust.

The painting system shall be as stipulated below :

COATING SEQUENCE	TYPE OF PAINT	NO. OF COATS	DRY FILM THICKNESS (MICRON)
Primer Coat	Copon 8048 Zinc Phosphate Primer QD or equivalent	1	75
Intermediate Coat	Copon 8048 or equivalent	2	100
Finishing Coat	Nippon Polyurethane Recoatable Finish or equivalent	1	150
Total minimum dry film thickness		4	325

3.0 PAINTING TO MASONRY WORKS

Concrete surfaces shall be allowed to cure until moisture content is below 8% and pH value below 9.

Loose concrete and oily residues on the concrete surface to be painted should be removed as completely as possible

The surface should be clean and dry prior to painting.

The painting system shall be as stipulated below :

COATING SEQUENCE	TYPE OF PAINT	NO. OF COATS	DRY FILM THICKNESS (MICRON)
Primer Coat	Copon EA – 9 Finish Hb or equivalent	1	50
Intermediate Coat	Copon EA – 9 Finish Hb or equivalent	1	50
Finishing Coat	Nippon Polyurethane Recoatable Finish or equivalent	1	50
Total minimum dry film thickness		3	150

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4.0 COMPLETION OF PAINTING WORK

On completion of paintwork, all paint marks inadvertently left on glass, floor, tiles and other surfaces shall be removed. Any stain or marking on finished paintwork shall be removed and touched up to the approval of the S.O.