

JOHANNESBURG WATER (SOC) Ltd.
BULK WASTEWATER

PARTICULAR SPECIFICATION
E26 : ELECTRICAL COLOUR CODING OF
EQUIPMENT



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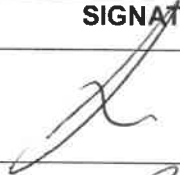


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DOCUMENT APPROVAL

ACTION	FUNCTION	NAME	DATE	SIGNATURE
Prepared	Senior Electrical Engineer	B Pieterse	August 2019	
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RECORD OF REVISIONS

Date	Revision	Author	Comments
1	2019-08-20	B Pieterse	First Issue (Based on G01 Colour Coding of Equipment)

ELECTRICAL SPECIFICATION: VOLUME E26: COLOUR CODING OF EQUIPMENT

CONTENTS

E26.1	SCOPE.....	3
E26.1.1	Machined Components	3
E26.1.2	Records.....	3
E26.2	MEASUREMENT AND PAYMENT	3

E26.1 SCOPE

This Specification has been adopted by Johannesburg Water to ensure the colour coding of electrical equipment located on Johannesburg Water's Wastewater Treatment Works shall conform to the ruling Occupational Health and Safety Act.

Table 1 gives the colours adopted for certain electrical equipment and mechanical plant.

Throughout the Specification, the colours used shall match the corresponding colours given in SANS 1091, National colour standard (as amended).

Where a colour code is not covered by this Specification, the matter shall be referred in writing to the Divisional Manager: Investment Delivery for ratification.

Item	Colour	Remarks	Code to SANS 1091
Electrical panels : (external)	Light Orange	NOSA	B.26
Electrical panels : (external) emergency power on	Signal Red		A.11
Electrical panels : (Internal)	White		G.80
Coupling guards and motor guards	Golden Yellow	SANS 10140-2	B.4
Motor cowls	Light Orange	Historical	B.26
Electrical motors, pumps and compressors	Deep Pastel Green		H.28

Table 1: Colour Coding of Electrical Equipment

E26.1.1 Machined Components

All machined components shall be protected by "Tectyl" or similar proprietary coating after manufacture. The coating shall be sufficiently durable to prevent corrosion during storage and installation and shall be removed using the manufacturers recommended solvent after final adjustment of the equipment. Final painting shall be carried out in accordance with the system specified.

E26.1.2 Records

The contractor shall maintain records of the application environment, dates of applications, conditions of surfaces before preparation, blast profiles, wet and dry film thicknesses, over-coating times, paint types and batch number, method of application, tests and type of instruments used, which shall be incorporated into the Component Quality Plan and be available to the Engineer or his Representative for review and surveillance. Two copies of the completed Component Quality Plan shall be provided within 2 weeks of completion of the corrosion protection system.

E26.2 MEASUREMENT AND PAYMENT

For the purpose of this Contract, the electro-mechanical items shall be supplied and installed conforming to this specification. The cosmetic painting application shall be included and the surface preparation, transporting of equipment to and from the applicator shall be included. No separate measurement item shall be included for the application of these coatings.