



NSAI
Standards

Irish Standard
I.S. 370:2016

Colour code for buried plastic piping

DECLARATION

OF

SPECIFICATION

ENTITLED

COLOUR CODE FOR BURIED PLASTIC PIPING

AS

THE IRISH STANDARD SPECIFICATION FOR

COLOUR CODE FOR BURIED PLASTIC PIPING

NSAI in exercise of the power conferred by section 16 (5) of the National Standards Authority of Ireland Act, 1996 (No. 28 of 1996) and with the consent of the Minister for Jobs, Enterprise and Innovation, hereby declare as follows:

1. This instrument may be cited as the Standard Specification (Colour code for buried plastic piping) Declaration, 2016.

2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Colour code for buried plastic piping.

(2) The said standard specification may be cited as Irish Standard 370:2016 or as I.S. 370:2016.

3. (1) The Standard Specification (Colour code for buried plastics piping) Declaration 2007 is hereby revoked.

(2) Reference in any other standard specification to the Instruments hereby revoked and to Irish Standard 370:2007 shall be construed, respectively, as references to this Instrument and to Irish Standard 370:2016.

I.S. 370:2016

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Foreword

This Standard is a guidance document for utility, Local Authority and private sector specifiers and installers. It specifies the colour coding for buried plastic pipes and ducts used in Ireland and recognises local conditions and needs that are particular to Ireland.

It has been prepared to facilitate immediate and unambiguous identification of installed service pipes upon subsequent excavation or exposure.

The Health and Safety Authority (HSA) and energy utilities/companies recommend that buried plastic pipes used for carrying electricity cables and gas (natural gas and LPG) are clearly colour coded with no possibility of confusion with pipes used for other purposes.

Some plastic pipe colours accepted in other countries differ and, if at variance with this standard, may pose potential safety hazards when used in Ireland.

Adherence to the use of pipes and ducts of recommended colour coding does not negate other required installation protocols and guideline requirements called up by specifying authorities such as the use of marker tapes, specific location, isolation and other services and burial depth.

This Standard only applies to new ducting installations. All users should be aware that a high proportion of existing underground ducted and piped services are in ducts and pipes which do not conform to the colour requirements set out in this Standard.

Schedule

Colour code for buried plastic piping

1 Scope

The colour code in this Standard applies to all types of plastic used for the manufacture of pipe and duct that is intended for direct or indirect burial below ground.

This standard does not cover plastic land drainage pipes.

This standard does not cover identification marking applied to the surface of the pipe.

This standard does not cover existing plastic ducts, which are subsequently used for gas, electricity or other services.

2 References

This Standard incorporates by dated or undated reference, provisions from other publications. These references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

BS 5252:1976, *Framework for colour co-ordination for building purposes*

RAL 840-HR, *Classic colour collection*

3 Colour requirements

The colour referred to in this Standard is the colour of the complete external surface of the pipe or duct. For pipe and duct manufactured by conventional extrusion process the colour is homogenous throughout the complete wall thickness.

For structured wall and composite pipe and duct the colour is homogenous throughout the outer main body and stripes. The opacity of the coloured outer layer shall be sufficient to prevent the colour of the inner layer or layers from confusing identification.

The colour of the pipe or duct shall not substantially alter when exposed to normal sunlight and weather conditions as would be expected in Ireland for a continuous period of up to one year. After a period of one year's exposure there shall be no confusion with other specified colours that have been subjected to similar weathering or that are un-weathered.

The colours of buried plastics piping shall be in accordance with Table 1.

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