

**OTHER
RECOGNIZED
DOCUMENT**

ULC/ORD-C199P-02

COMBUSTIBLE PIPING FOR SPRINKLER SYSTEMS



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FOREWORD

Certification organizations are periodically called upon to respond promptly to a need to provide a certification service for devices, constructions, materials and systems for which no recognized standards of acceptance are available. Accordingly, the certification agency draws upon its experience, existing specifications and requirements in related areas, together with assistance from its advisory councils to develop and prepare an "Other Recognized Document" (ORD) for use in conducting the necessary test and evaluation investigation.

Underwriters' Laboratories of Canada has over the years prepared many ORD's in response to requests from, and in conjunction with, industry, code writing bodies, regulatory agencies and others prior to inaugurating a certification program. In many instances such documents have become published ULC Standards and subsequently National Standards of Canada. It is the intention of Underwriters' Laboratories of Canada to continue this practise as appropriate.

Comments on the content of this ORD should be directed to the Head Office of the Underwriters' Laboratories of Canada, 7 Crouse Road, Toronto, Ontario, CANADA, M1R 3A9.

NOTE: *These Recognized Documents are accepted under the National Standards System of Canada. Reference may be made to the Document CAN-P-3, "Criteria and Procedures for Accreditation of Certification Organization" published by the Standards Council of Canada located at 45 O'Connor Street, Suite 1200, Ottawa, Ontario, Canada, K1P 6N7.*

ULC/ORD-C199P-02

**REQUIREMENTS
FOR
COMBUSTIBLE PIPING FOR SPRINKLER SYSTEMS**

PREFACE

This is the Second Edition of the ORD for Combustible Piping for Sprinkler Systems, ULC/ORD-C199P.

A product which complies with these requirements will not necessarily be acceptable if, when examined and tested, it is found to have features not covered by the ORD which may impair the result contemplated by these requirements.

A product employing materials or having forms of construction differing from those detailed in these requirements may be examined and tested according to the intent of the requirements, and if found to be substantially equivalent, may be given recognition.

SI and Imperial units of measurement are used in this Document.

INTRODUCTION

1 SCOPE

1.1 These requirements cover thermoplastic pipe and fittings for use in wet pipe sprinkler systems for fire protection service.

1.2 Thermoplastic pipe and fittings covered by these requirements are intended for use in sprinkler systems in any of the following types of occupancies:

- A Light hazard occupancies and ordinary hazard rooms of otherwise light hazard occupancies, where the room does not exceed 37.2 sq. m (400 sq. ft.) as defined in the Standard for Installation of Sprinkler Systems, NFPA 13;
- B Residential occupancies as defined in the Standard for Installation of Sprinkler Systems in One and Two Family Dwellings and Manufactured Homes, NFPA 13D;
- C Residential occupancies as defined in the Standard for Installation of Sprinkler Systems in Residential Occupancies Up to and Including Four Stories in Height, NFPA 13R; and

1.2.1 Sprinkler piping located within a plenum shall have a flame-spread rating of not more than 25, and a smoke developed classification of not more than 50.

1.3 The pipe and fittings covered by these requirements are intended to be installed in accordance with the Standard for Sprinkler Systems in One and Two Family Dwellings and Manufactured Homes, NFPA 13D; the Standard for Sprinkler Systems in Residential Occupancies Up to and Including Four Stories in Height, NFPA 13R; or the Standard for Installation of Sprinkler Systems, NFPA 13.

1.4 A product that contains features, characteristics, components, materials, or systems new or different from those covered by the requirements in this ORD, and that involves a risk of fire or of electric shock or injury to persons shall be evaluated using appropriate additional component and end-product requirements to maintain the level of safety as originally anticipated by the intent of this ORD. A product whose features, characteristics, components, materials, or systems conflict with specific requirements or provisions of this standard does not comply with this standard. Revision of requirements shall be proposed and adopted in conformance with the methods employed for development, revision, and implementation of this standard.

2 COMPONENTS

2.1 Except as indicated in 2.2, a component of a product covered by this ORD shall comply with the requirements for that component. (Refer to UL 94.)

2.2 A component is not required to comply with a specific requirement that: