

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

45

ISO RECOMMENDATION R 1398

RUBBER SEALING RINGS FOR JOINTS
IN ASBESTOS-CEMENT WATER PIPING

1st EDITION

November 1970

1398-1970
/ No pas enlevé

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Printed in Switzerland

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BRIEF HISTORY

The ISO Recommendation R 1398, *Rubber sealing rings for joints in asbestos-cement water piping*, was drawn up by Technical Committee ISO/TC 45, *Rubber*, the Secretariat of which is held by the British Standards Institution (BSI).

Work on this question led to the adoption of Draft ISO Recommendation No. 1398, which was circulated to all the ISO Member Bodies for enquiry in December 1967. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Austria	India	Poland
Chile	Iran	Spain
Colombia	Ireland	Sweden
Czechoslovakia	Israel	Switzerland
France	Italy	U.A.R.
Germany	Japan	United Kingdom
Greece	Netherlands	
Hungary	New Zealand	

The following Member Body opposed the approval of the Draft :

U.S.A.

This Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided to accept it as an ISO RECOMMENDATION.

RUBBER SEALING RINGS FOR JOINTS IN ASBESTOS-CEMENT WATER PIPING

1. SCOPE

This ISO Recommendation specifies the requirements for rubber rings used for joints in asbestos-cement water piping.

It defines the requirements of quality and the acceptance test limits applicable to rings of the basically circular section and lip-seal types of single hardness.

Annex A gives recommendations as to storage conditions after receipt.

Annex B outlines an optional supplementary requirement for inspection for homogeneity.

2. REQUIREMENTS AND TESTS

2.1 Required quality

In all cases the rings should conform to the requirements of this specification.

If the piping is to convey drinking water, substances capable of affecting the organoleptic properties of the water, or toxic materials such as extractable compounds of mercury, antimony, manganese, lead or copper, should not be included in the composition of the rings. This applies also to those substances which do not conform to the regulations established by the official public health services of the country in which the rings are used.

2.2 General requirements and finish

Each ring should be homogeneous in its whole mass and free from air marks or porosity. The surface and that of the test pieces should not show any grit. The fin or flash should be reduced as much as possible, and in any case its thickness should not exceed 0.4 mm or its width 0.8 mm.

2.3 Marking

Wherever practicable and unless otherwise specified each ring should be plainly and indelibly marked, in a suitable position acceptable to manufacturer and user, with the following information :

- (a) the manufacturer's name or trade mark;
- (b) the year of manufacture;
- (c) the class of ring.

In cases when the marking of the actual rings is not practicable or is likely to be detrimental to their effective use, the rings should be supplied, fastened together in parcels of suitable size, each bearing a label giving the above particulars.