ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION
R 115

CLASSIFICATION AND COMPOSITION
OF REMELT INGOTS AND PIGS OF UNALLOYED ALUMINIUM

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BRIEF HISTORY

The ISO Recommendation R 115, *Classification and Composition of Remelt Ingots and Pigs of Unalloyed Aluminium*, was drawn up by Technical Committee ISO/TC 79, *Light Metals and their Alloys*, the Secretariat of which is held by the Association Française de Normalisation (AFNOR).

A first draft proposal, drawn up by the ISO/TC 79 Secretariat, was considered by the Technical Committee at its first meeting, held in Paris, in January 1955, but no agreement could be reached.

Working Group No. 2, *Unalloyed Aluminium Ingots*, set up for this purpose, was assigned to prepare a second draft proposal, which the Technical Committee examined during its second meeting, held in Paris, in October 1956.

Following the decisions reached at this meeting, the ISO/TC 79 Secretariat drew up a third draft proposal, which was submitted to the members of the Technical Committee, in February 1957, and which was adopted, by correspondence, as a Draft ISO Recommendation.

On 17 January 1958, the Draft ISO Recommendation (No. 202) was distributed to all the ISO Member Bodies and was approved by the following Member Bodies:

Australia	Germany	Poland
Austria	Hungary	Portugal
Belgium	India	Romania
Burma	Italy	Spain
Canada	Japan	Sweden
Chile	Mexico	Switzerland
Czechoslovakia	New Zealand	United Kingdom
France	Norway	U.S.A.
		U.S.S.R.

Two Member Bodies opposed the approval of the Draft:

Denmark, Netherlands.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in July 1959, to accept it as an ISO RECOMMENDATION.

CLASSIFICATION AND COMPOSITION
OF REMELT INGOTS AND PIGS OF UNALLOYED ALUMINIUM

1. SCOPE

This ISO Recommendation relates to the classification and composition of remelt ingots and pigs of primary and secondary unalloyed aluminium, excluding refined aluminium.

Remelt ingots and pigs are classified according to their type (primary and secondary aluminium) and graded according to their composition.

2. REQUIREMENTS

In all cases the type and grade should be agreed between the purchaser and the vendor and stated on delivery.

3. CLASSIFICATION

The type is designated by the terms *primary*, *secondary* and *refined aluminium* which are defined hereafter:

3.1 The term *primary* applies to metal extracted by reduction from or by decomposition of an aluminium compound and which has not been subjected to any fabricating other than casting into pigs or ingots.

Scrap from the ingot producer's own operations, which arises directly from the casting or working of primary unalloyed ingots, may be incorporated in primary melts without modifying the character of primary melts, provided that the identity of the scrap metal is fully established and maintained, and provided that no metallic impurities foreign to the producer's primary unalloyed aluminium operation are a possible cause of contamination.

3.2 The term *secondary* applies to metal obtained by the recovery and treatment of metal that has been submitted to at least one fabricating process by casting or working and does not conform to the definition of primary or refined aluminium.

3.3 The term *refined aluminium* applies to metal of very high purity (conventional aluminium content: 99.95 per cent and more) which is obtained by special metallurgical treatments. This metal will be the subject of another ISO Recommendation.