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International Standard



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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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**Products in fibre reinforced cement —  
Part 1 : Asbestos-cement flat sheets**

*Produits en ciment renforcé par des fibres —  
Partie 1 : Plaques planes en amiante-ciment*

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## FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 396/1 was developed by Technical Committee ISO/TC 77, *Products in fibre reinforced cement*, and was circulated to the member bodies in December 1978.

It has been approved by the member bodies of the following countries :

Australia	France	New Zealand
Austria	Germany, F.R.	Poland
Belgium	Greece	Portugal
Brazil	India	Romania
Bulgaria	Ireland	Switzerland
Canada	Israel	Thailand
China	Italy	Turkey
Czechoslovakia	Korea, Rep. of	United Kingdom
Egypt, Arab Rep. of	Mexico	Yugoslavia
Finland	Netherlands	

The member bodies of the following countries expressed disapproval of the document on technical grounds :

South Africa, Rep. of  
Spain  
USSR

This International Standard cancels and replaces ISO Recommendation R 396-1964, of which it constitutes a technical revision.

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# Products in fibre reinforced cement — Part 1 : Asbestos-cement flat sheets

## 1 SCOPE

This part of ISO 396 specifies the characteristics of asbestos-cement flat sheets, and establishes the control and testing methods for the verification and determination of the specified values.

The sheets are classified in two categories according to the value of the minimum bending strength.

Silica asbestos-cement flat sheets are dealt with in ISO 396/2 and cellulose asbestos-cement flat sheets in ISO 396/3.

## 2 FIELD OF APPLICATION

This part of ISO 396 is applicable to asbestos-cement flat sheets consisting essentially of an inorganic hydraulic binder<sup>1)</sup> reinforced by asbestos fibres to which other fibres may be added.

Fillers and pigments which are compatible with asbestos-cement may be added.

It is not applicable to the following products :

- a) cellulose asbestos-cement flat sheets;
- b) silica asbestos-cement flat sheets;
- c) non-combustible fibre reinforced boards of calcium silicate or cement for insulation and fire protection (ISO 1896).

## 3 REFERENCES

ISO 390, *Asbestos-cement products — Sampling and inspection*.

ISO 1006, *Modular co-ordination — Basic module*.

## 4 CHARACTERISTICS

### 4.1 Geometrical characteristics

#### 4.1.1 Dimensions

TABLE 1 — Dimensions

Dimensions in millimetres

Length \ Width	900	1 200	1 500
(1 200)		(X)	
1 500		X	
1 800	X	X	
2 000		X	
2 100	X	X	
2 400	X	X	
2 500		X	
2 700	X	X	
2 800		X	
3 000	X	X	X
(3 600)		(X)	(X)

#### NOTES

1 Where sheets are for use in dimensionally co-ordinated construction, the tolerances on length and width shall be expressed as negative deviations from the dimensions given in table 1 which shall be regarded as co-ordination dimensions.

2 The dimensions (width and length) shown in table 1 may be increased by 20 mm to 30 mm (oversize sheets) for applications where the sheet is required to be cut by the user.

3 Values which are not in brackets are preferred sizes.

4 Other dimensions may be supplied by mutual agreement between the purchaser and the manufacturer.

1) National standards may specify the binder to be used.