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# मानक

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Mazdoor Kisan Shakti Sangathan

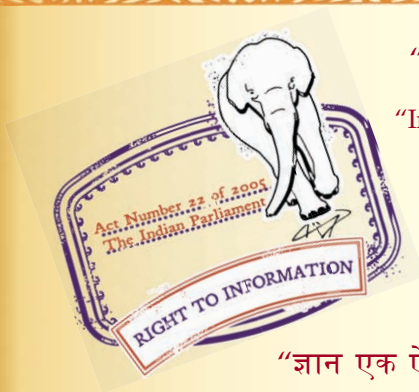
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IS 12081-2 (1987): Recommendations for Pictorial Warning Signs and Precautionary Notices for Asbestos and Products Containing Asbestos, Part 2: Asbestos and its Products [CED 53: Cement Matrix Products]



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“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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*Indian Standard*

RECOMMENDATIONS FOR  
PICTORIAL WARNING SIGNS AND  
PRECAUTIONARY NOTICES FOR ASBESTOS  
AND PRODUCTS CONTAINING ASBESTOS  
PART 2 ASBESTOS AND ITS PRODUCTS

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**BUREAU OF INDIAN STANDARDS**  
MANAK BHAVAN, 9 RAHADUR SHAH ZAFAR MARG  
NEW DELHI 110002



# Indian Standard

## RECOMMENDATIONS FOR PICTORIAL WARNING SIGNS AND PRECAUTIONARY NOTICES FOR ASBESTOS AND PRODUCTS CONTAINING ASBESTOS

### PART 2 ASBESTOS AND ITS PRODUCTS

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## *Indian Standard*

# RECOMMENDATIONS FOR PICTORIAL WARNING SIGNS AND PRECAUTIONARY NOTICES FOR ASBESTOS AND PRODUCTS CONTAINING ASBESTOS

## PART 2 ASBESTOS AND ITS PRODUCTS

### 0. FOREWORD

**0.1** This Indian Standard was adopted by the Bureau of Indian Standards on 3 August 1987, after the draft finalized by the Cement and Concrete Sectional Committee had been approved by the Civil Engineering Division Council.

**0.2** In recent years there has been a growing awareness that exposure to asbestos dust can have harmful effect on the health of workers. Accordingly, a number of standards giving technical guidance on how the risk of exposure to asbestos dust can be prevented, controlled or minimized, have been taken up for formulation. It has also been felt necessary that some pictorial warning signs and precautionary notices shall be used at workplaces involving asbestos and asbestos products, packages containing asbestos and asbestos products and also on the asbestos products, in order to caution the workers and users about the potential health hazards of asbestos. Keeping this in view, this standard regarding pictorial warning signs and precautionary notices has been formulated in two parts as follows:

- a) Recommendations for pictorial warning signs and precautionary notices for asbestos and products containing asbestos: Part 1 Workplaces
- b) Recommendations for pictorial warning signs and precautionary notices for asbestos and products containing asbestos: Part 2 Asbestos and its products

**0.3** In the formulation of this standard, due weightage has been given to international co-ordination among the standards and practices prevailing in different countries, in addition to relating it to the practices in the field in this country.

## **IS : 12081 ( Part 2 ) - 1987**

**0.4** This standard is one of a series of Indian Standards on safety in handling and use of asbestos. Other standards in the series already formulated and under preparation are as follows:

- IS : 11450-1986 Method for determination of airborne asbestos fibre concentration in work environment by light microscopy ( membrane filter method )
- IS : 11451-1986 Recommendations for safety and health requirements relating to occupational exposure to asbestos
- IS : 11767-1986 Recommendations for cleaning of premises and plants using asbestos fibres
- IS : 11768-1986 Recommendations for disposal of asbestos waste material
- IS : 11769 ( Part 1 )-1987 Guidelines for safe use of products containing asbestos: Part 1 Asbestos cement products
- IS : 11769 ( Part 2 )-1986 Guidelines for safe use of products containing asbestos: Part 2 Friction materials
- IS : 11769 ( Part 3 )-1986 Guidelines for safe use of products containing asbestos: Part 3 Non-cement asbestos products other than friction materials
- IS : 11770 ( Part 1 )-1987 Recommendations for control of emission of asbestos dust in premises manufacturing products containing asbestos: Part 1 Asbestos cement products
- IS : 11770 ( Part 2 )-1986 Recommendations for control of emission of asbestos dust in premises manufacturing products containing asbestos: Part 2 Friction materials
- IS : 11770 ( Part 3 )-1987 Recommendations for control of emission of asbestos dust in premises manufacturing products containing asbestos: Part 3 Non-cement asbestos products other than friction materials
- IS : 12078-1987 Recommendations for personal protection of workers engaged in handling asbestos
- IS : 12079-1987 Recommendations for packaging, transport and storage of asbestos
- IS : 12080-1987 Recommendations for local exhaust ventilation systems in premises manufacturing products containing asbestos
- IS : 12082 ( Part 1 )-1987 Recommendations for control of asbestos emission: Part 1 Mining of asbestos ore
- IS : 12082 ( Part 2 ) Recommendations for control of asbestos emission: Part 2 Milling of asbestos ( *under preparation* )
- Method for determination of asbestos concentration in water ( *under preparation* )



## **1. SCOPE**

**1.1** This standard deals with pictorial warning signs and precautionary notices recommended for use with asbestos and products containing asbestos.

## **2. OBJECT**

**2.1** The object of this standard is to caution those engaged in handling of asbestos and products containing asbestos so as to enable them to take necessary precautionary measures against the risks from exposure to asbestos dust.

## **3. LABELLING**

**3.1** All asbestos packages, products containing asbestos and the packages of such products, excepting those mentioned in **3.2**, shall bear a pictorial warning sign and precautionary notice as shown in Fig. 1.

**3.2** Labelling of products containing asbestos in accordance with **3.1** may be dispensed with or modified, subject to the conditions given in **3.2.1** to **3.2.3.2**.

**3.2.1** Labelling on the product may be dispensed with if smallness of size of the products makes it impossible for the product to be labelled. Such products shall be supplied in a package which shall be duly labelled as given in **3.1**.

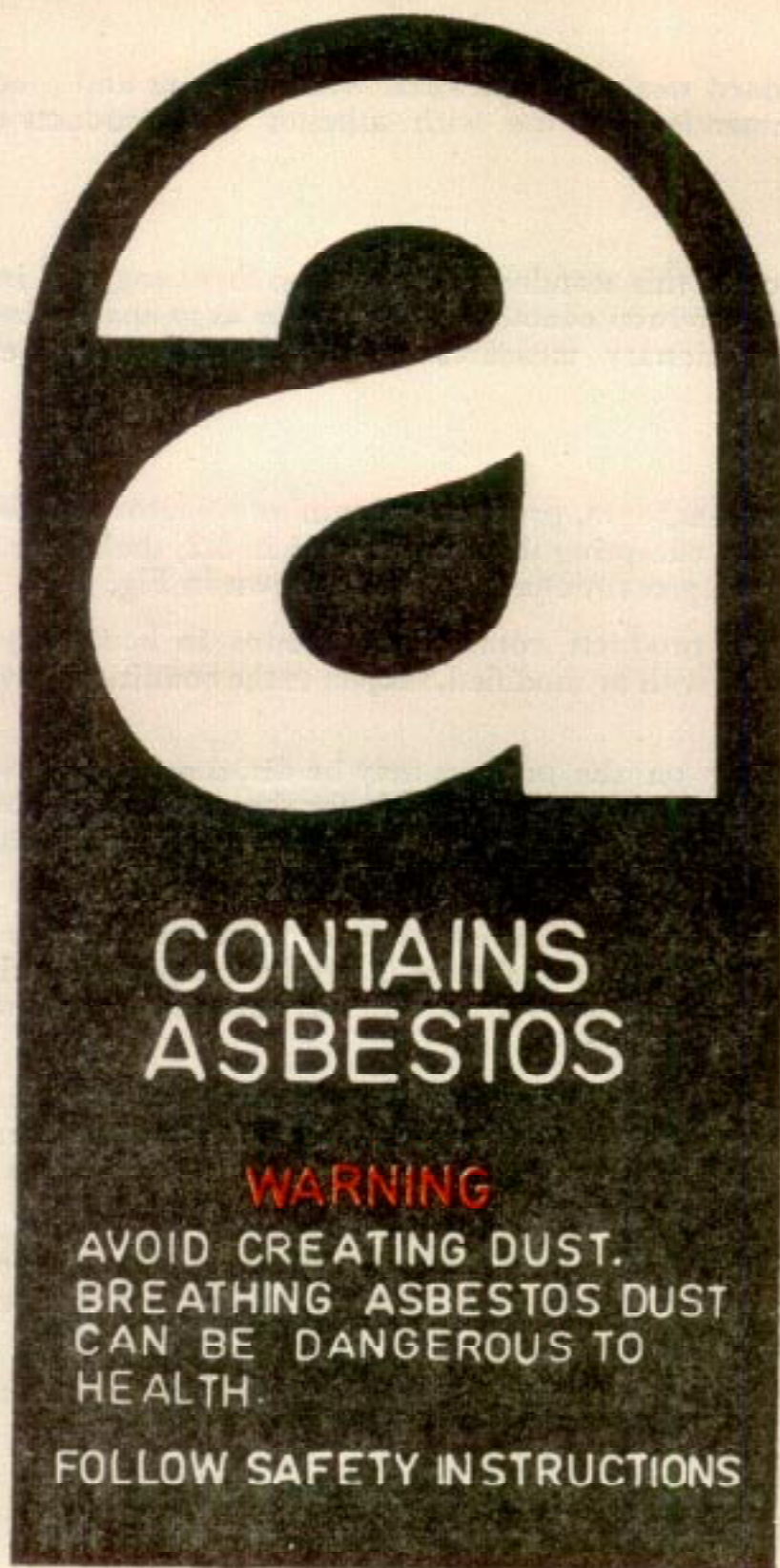
**3.2.2** Labelling of compressed asbestos fibre jointings and beater addition jointings in which asbestos is firmly encapsulated with a strong bonding agent and will not release asbestos dust during normal handling and use, may be dispensed with.

**3.2.3** In case of unpacked articles, for example, asbestos cement sheet and pipe where it is not practicable to mark the pictorial warning sign and precautionary notice as given in **3.1**, the procedure given in **3.2.3.1** and **3.2.3.2** shall be adopted.

**3.2.3.1** The symbol 'a' as portrayed in Fig. 1 (except the precautionary notice) shall be printed/stamped on the article very conspicuously.

**3.2.3.2** Pictorial warning sign and precautionary notice as given in **3.1** shall be printed on literatures given to a purchaser.

**3.3** Appropriate safety rules sheet shall be provided along with asbestos and products containing asbestos.



NOTE 1 — White lettering on black background. However, the word "WARNING" shall be in red colour.

NOTE 2 — This is a typical warning sign showing proportion of spacing & the size of lettering. The sign may be reproduced in size(s) as per individual requirement, varying the spacings and the size of lettering proportionately.

FIG. 1 WARNING SIGN FOR ASBESTOS AND PRODUCTS CONTAINING ASBESTOS

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