



NATIONAL PETROCHEMICAL COMPANY
STANDARDS

ENGINEERING STANDARD
FOR
FIREPROOFING

NPCS-ES-ST-03

REVISION : 0

JULY 1992



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1 GENERAL

1.1 SCOPE

1.1.1 This standard covers the design features and minimum technical requirements for fireproofing steel supports for process equipment, piping, cable trays and conduit banks in fire potential areas, so as to provide adequate protection for personnel and equipment.

1.1.2 Fireproofing should never be considered as a replacement for the normal fire-preventive measures and suitability of the fire-fighting equipment available.

1.2 REGULATIONS

1.2.1 The work shall be done in accordance with the national and local laws and regulations.

1.2.2 For subjects not covered by regulations or specifications, the design shall be based on good engineering and working practice. The methods are subject to approval by client.

1.3 CODES AND STANDARDS

The latest edition of the following codes, standards and/or specifications (which form an integral part of this standard), constitute minimum requirements for this standard, where applicable:

a) National Fire Protection Association (NFPA)

No. 321 Standard on Basic Classification of Flammable and Combustible Liquids.

b) American Welding Society (AWS)

D1.1 Structural Welding Code.

c) American Concrete Institute (ACI)

ACI 318-89 Building Code Requirements for Reinforced Concrete.

d) Deutsch Normen (DIN)

DIN 488 Gerippter Betonstahl BST 420.

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