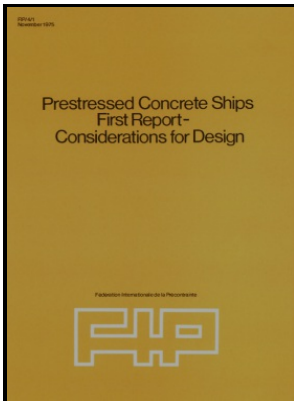


# Cryogenic behaviour of materials for prestressed concrete

## Fédération Internationale de la Précontrainte - Behaviour at cryogenic temperatures of tendon anchorages for prestressing concrete

Description: -

-  
Watercolor painting -- 19th century -- Exhibitions.  
Watercolor painting, British -- Exhibitions.  
Royal Institute of Painters in Water Colour (Great Britain) -- Exhibitions.  
Geschichte und Historische Hilfswissenschaften  
OUR Brockhaus selection  
Prestressed concrete.  
Concrete tanks.  
Liquids -- Storage.  
Materials at low temperatures -- Storage. Cryogenic behaviour of materials for prestressed concrete  
-  
Pocket  
Letras hispánicas -- 124  
State of art report (Fédération internationale de la précontrainte)  
State of art report / Fédération Internationale de la Précontrainte  
Cryogenic behaviour of materials for prestressed concrete  
Notes: Cover title.  
This edition was published in 1982



Filesize: 47.69 MB

#cryogenic #temperatures

Tags: #Ultimate #strength #behavior #of #prestressed #concrete #beams #at

### Behaviour of plain concrete

It is concluded that testing results found in the technical literature show much disagreement as to the effects of temperature on concrete properties.

### Cryogenic prestressed concrete: Fracture aspects

It can handle transient and steady state problems through the use of explicit time integration and dynamic relaxation.

### Cryogenic prestressed concrete: Fracture aspects

Most of these Arctic engineering constructions were made of reinforced concrete RC structure or prestressed concrete PC structure. No international standards have yet been developed to prevent brittle fracture under cryogenic conditions. This is because the low temperature reduces the molecular translational energy that reduce the activity of atomic and more molecular translational energy will be required for the heat transfer, which results in the reduction of the transit linear expansion coefficients.

### Cryogenic concrete

Followed, prestressing was carried out to the steel strand by the hydraulic jack. Tests and Analysis on Thermal Expansion Behaviour of Steel Strand used in Prestressed Concrete Structure under Low Temperatures. Volumetric thermal deformation, for a given moisture content, does not seems to depend on applied load.

## Related Books

- [Shemonah perakim le-Rambam - haqdamat Masekhet Avot](#)
- [Reign of Charles II, 1660-1685 - \(catalogue of an exhibition held at\) Elstow Moor Hall, summer, 1960](#)
- [Adventures of Eddie Fung - Chinatown kid, Texas cowboy, prisoner of war](#)
- [Shakespeares Henry VIII - a celebration of history.](#)
- [On the marble cliffs](#)