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Nota di contenuto	Materials with Rheological Properties; Table of Contents; Chapter 1. Introduction; 1.1. Historical background; 1.2. Considering the plastic and rheological properties of materials in calculating and designing resistance structures for constructions; 1.3. The basis of the mathematical model for calculating resistance structures by taking into account the rheological properties of the materials; Chapter 2. The Rheological Behavior of Building Materials; 2.1. Preamble; 2.2. Structural steel for construction; 2.2.1. Structural steel for metal construction 2.2.2. Reinforcing steel (non-prestressed)2.2.3. Reinforcements, steel wire and steel wire products for prestressed concrete; 2.3. Concrete; Chapter 3. Composite Resistance Structures with Elements Built from Materials Having Different Rheological Properties; 3.1. Mathematical model for calculating the behavior of composite resistance structures: introduction; 3.2. Mathematical model for calculating the behavior of composite resistance structures. The formulation considering creep;

3.2.1. The effects of the long-term actions and loads: overview
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Sommario/riassunto

Materials with Rheological Properties presents the evolution of the mathematical models used to calculate the resistance structures and the conditions which enable progress to be made in this field. The author presents equations describing the behavior of each possible type of resistance structure (with discrete collaboration, continuous collaboration and complex composition). These equations are then redefined in the particular concrete form for each type of structure, by using the notions and known parameters from the construction's statics. The mathematical models are then tested u
