

## RULE VI - FIRE-RESISTIVE REQUIREMENTS IN CONSTRUCTION

### SECTION 601. Fire- Resistive Rating Defined

**Fire-resistive rating** means the degree to which a material can withstand fire as determined by generally recognized and accepted testing methods.

### SECTION 602. Fire- Resistive Time Period Rating

**Fire-resistive time period** rating is the length of time a material can withstand being burned which may be one- hour, two- hours, four- hours, etc.

### SECTION 603. Fire-Resistive Standards

All materials of construction, and type of materials and assemblies or combinations thereof shall conform to the following fire-resistive ratings:

Type of Assembly and Material	Minimum thickness (in millimeter) for the given fire resistance			
	4 hrs.	3 hrs.	2 hrs.	1hr.
Floor Construction				
Solid R.C. slab				
- Average cover to reinforcement	25	25	20	15
- Overall Depth	150	150	125	100
Solid pre-stressed				
Concrete slab				
- Average cover to tendons	65	50	40	25
- Overall Depth	150	150	125	100
Partitions				
- Solid concrete	175	175	150	125
- Solid masonry	200	175	150	125
- Hollow unit masonry	300	250	200	150
Protection for metal structural members				
- Concrete	75	50	38	25
- Masonry	100	75	55	38
- Metal lath with vermiculite or perlite gypsum plaster	50	38	20	12
Exterior Wall				
- Solid concrete	180	150	125	75
- Solid masonry	200	175	150	100
- Hollow masonry	300	250	200	150
Column (all faces exposed)				
- Reinforced concrete	450	400	300	200

### SECTION 604. Fire- Resistive Regulations

The Secretary shall prescribe standards and promulgate rules and regulations on the **testing** of construction materials for **flame-spread characteristics**, tests on fire damages, fire tests of building construction and materials, door assemblies and tinclad fire doors and window assemblies, the installation of fire doors and windows and smoke and fire detectors for fire protective signaling system,

application and use of controlled interior finish, **fire-resistive protection** for structural members, **fire-resistive** walls and partitions, **fire-resistive** floor or roof ceiling, **fire-resistive** assemblies for protection of openings and **fire-retardant** roof coverings.

*(emphases, underscoring and annotations supplied)*

*Rule VII follows*