

AMID10 INTERIOR DESIGN MATERIALS AND APPLICATION-II

UNIT-1 GLASS AND GLASS PRODUCTS

- 1.1 Composition and fabrication of glass,
- 1.2 Classification, types of glass- wired glass, fiber glass, rock wool, laminated glass, glass concrete blocks - their properties and uses in buildings.
- 1.3 Commercial forms available- their physical and behavioral properties,
- 1.4 Tools and technology of its application in built forms.
- 1.5 Material and workmanship, specifications.

UNIT-2 RUBBER

- 2.1 Natural rubber, latex, coagulation, vulcanizing and synthetic rubber
- 2.2 Properties and application.

UNIT-3 PLASTICS

- 3.1 Types, thermosetting and thermo plastics, resins, common types of moldings,
- 3.2 Fabrication of plastics, polymerization and condensation.
- 3.3 Plastic coatings, reinforced plastic, plastic laminates- properties, uses and applications.

UNIT-4 ADHESIVES

- 4.1 Natural and Synthetic, their varieties,
- 4.2 Thermoplastic and thermosetting adhesives, epoxy resin.
- 4.3 Method of application, bond strength etc.

UNIT-5 ASPHALT AND BITUMEN

- 5.1 Natural and artificial products, forms of asphalt, emulsion,
- 5.2 Cement mastic bituminous felt, their properties and uses.

Reference Books:

1. Bindra, S.P. and Arora, S.P. Building Construction: Planning Techniques and Methods of Construction, 19th ed. Dhanpat Rai Pub., New Delhi, 2000.
2. Moxley, R. Mitchell's Elementary Building Construction, Technical Press Ltd.
3. Rangwala, S.C. Building Construction 22nd ed. Charota Pub. House Anand, 2004