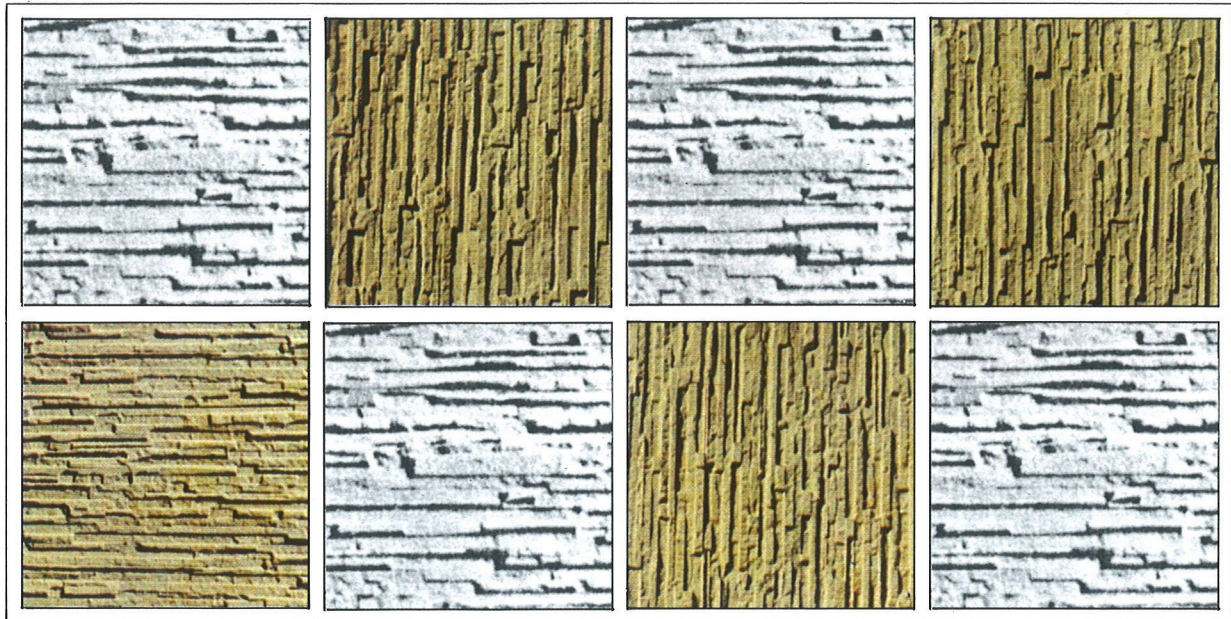# ISOFOAM

ايسوفــــوم

ISOTEX TEXTURED SHEETS

USAGE:

ISOTEX is a totally complete unitised formliner system that provides textured external and internal finishes suitable for use with all types of formwork. For example, boards, vibrating tables, metal, unplaned and re-usable forms - ISOTEX may be employed.

The ISOTEX finish will greatly improve the aesthetic appearance of most expanses of insitu concrete on the following structures:

(a) Bridge Parapets
(b) Retaining Walls
(c) Building facades
(d) Multi Storey Car Parks
(e) Water Towers
(f) Fences

DESCRIPTION:

The panels are made from Rigid High Density Polystyrene with relief textures embossed on one side. The panels are fixed to the inside of shuttering so that their surface design will be imprinted on the face of the concrete.

The basic objective of this product is to supply the market with a standard system which is easy to use, and gives aesthetically attractive textured surface finish on concrete

During ISOTEX's manufacture, the surface which will be incontact with concrete is coated with a special release agent which ensures easy striking.
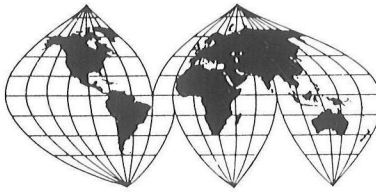
SIZES:

ISOTEX 1 - 0.8 × 2.75 m.
ISOTEX 2 - 1.0 × 3.0 m.

STORAGE:

ISOTEX should be stored in clean, cool, dry flat areas, away from open flames and other sources of ignition. Highly flammable substances such as paper and flammable liquids should not be stored in the same area where ISOTEX is kept. It should be kept away from the sun and ultra-violet radiation, to restrict atmospheric degradation and ensure easy striking.

Storage life: 6 months under the above conditions.

ISOFOAM

ايسوفــوم

FIXING:

The ISOTEX panels should be nailed in position using small-headed nails. These should be fixed in such a way that the heads finish flush with or below the panel surface. The use of rust-proof nails is advised to prevent staining of the product.

It is important that nails be positioned through the ridges rather than the depression of the pattern, so that no impression of the nails shall be visible on the finished concrete surface.

The panels should be laid directly on to the top of the shuttering form after making sure that the form is clean and smooth, also a small amount of silicone sealant should be applied to the panels edge or water-proof masking tapes used when two or more ISOTEX panels are used next to each other.

No mould oils should be applied to the form or the liner, or staining of the finished concrete surface is likely to result.

CONCRETE TECHNIQUES:

Normal concreting techniques may be used but extra care must be taken to avoid damage to the ISOTEX panel during fixing the formwork and placing and vibrating the concrete.

STRIPPING:

When using conventional concrete, if the panels stick to the concrete's surface in spots at the time of stripping, use compressed air to remove them. If Polystyrene balls remain on the concrete, remove them by scraping, brushing or using trichloroethylene.

QUALITY CONTROL:

All products are manufactured strictly to the international specifications. Properties of the products are tested according to the American Standard of Testing Methods (ASTM) as well as the German (DIN) standards.

In order to maintain the quality and ensure the specified properties of the product ISOFOAM continuously carries out its own stringent quality control practices. Density, water absorption and compressive strength are all checked prior to any product leaving the plant.

CUTTING:

It will sometimes be necessary to cut the panels for example in doors, windows and balcony openings. This causes no problem at all provided two points are remembered:

(1)   The cut must always be made from the face side of the panels, using a sharp knife with a long blade. The cutting knife should be held at an angle of 45 degrees so that the flat cut can be made.

(2)   Never hold the knife vertically. Observance of these points will ensure a clean cut, square edge required to obtain a grout-tight butt joint.