



PLASTIC FOAM LINER

SCOPE

Foam lining is the material attached directly to the inside face of forms /shuttering to improve (or) alter the surface texture and quality of the finished concrete. Adhesives (bonding solution) are required for attaching the liners to wood (or) steel forms / shuttering. Liners may be tacked, screwed, stapled or nailed to wood forms / shuttering.

MATERIAL (PLASTIC FOAM LINER)

The Foam liners are made out of plastic based compounds that give a great variety of smooth and low relief textured concrete surfaces. Plastic foam liners can be made either flexible (or) rigid depends upon the requirement and they are tough and have tear resistance.

DESIGN

Vertically ribbed (or) fluted surfaces are more popular designs, used in many cases.



PLASTIC FOAM LINER USED IN FLYOVER

A PRODUCT FROM KANTAFLEX (INDIA) PVT LIMITED

TEMPERATURE

Plastic foam liners will withstand for 1400F to 1500F (600C to 660C). Beyond this recommended temperature the liner may expand depends on increase of the temperature. The general available data says: 3000mm wide liner can expand to 3000.15mm for every degree increase of Fahrenheit Temperature.

NUMBER OF REPETITIONS

Generally, a repetition of plastic foam liner depends upon care taken during fixing and removing on form / shuttering. However, it is anticipated for 10 -12 repetitions in normal uses.

RELEASE AGENT

It is advised to use release agent for stripping the plastic liners from foams/shuttering in order to get uniformity of the concrete surface and protect liners from deterioration.

STANDARD SIZES

Width: 300mm x Length: Long Length (Extruded profile) Thickness & Design: As per customer requirements.

GENERAL PHYSICAL PROPERTIES

(Subject to change depends on the requirements)

| (1) | Hardness | : 60 – 70 in Shore 'A' |
|-----|-----------------------------|------------------------|
| (2) | Tensile Strength | : > 80 KSC |
| (3) | Elongation | : > 250% |
| (4) | Tear Resistance | : > 40 KSC |
| (5) | Elasticity Modulus | : > 28 KSC |
| (6) | Water Absorption for 7 Days | : < 5% |

