

A large-scale construction site for a food factory. The ground is covered with a grid of black polyethylene sheets, which are held up by wooden stakes. In the background, there are several houses and trees. The scene is captured from a high angle, showing the extensive area covered by the sheeting.

Polyethylene Sheet

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What is PE Sheet?



1. Polyethylene sheet is a water vapor barrier under the concrete to protect the structure from moisture.
2. It comes in two grades,
 - A. LDPE (Light Density Polyethylene)
 - B. HDPE (High Density Polyethylene)
3. Thickness of the sheet varies from 100 micron to 1000 micron.

Why Polyethylene?

1. To protect the substructure from the ground water moisture.
2. It also prevents the corrosion of the reinforcement in the structure.



How is Sheet Laid?



1. The sheet is laid over the compacted earth surface before binding reinforcement and pouring concrete.

Measurement

1. As per the norms of CPWD 1200, the mode of measurement of Sheet is in square meters.
2. Area = Length x Width of the ground surface



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