

# CEMENT KI PATHSHALA STRENGTHENS KNOWLEDGE. STRENGTHENS BUILDING.



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**StrongCrete**  
The Forever Cement

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# Types of cement



Cement is the main binding agent in concrete and the basic ingredient for all types of construction. One must have enough information about cement to ensure that the quality of the structure is not compromised.

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# How to store cement



Cement is highly sensitive to moisture & also has a shelf life. Therefore, it is important to store cement carefully.

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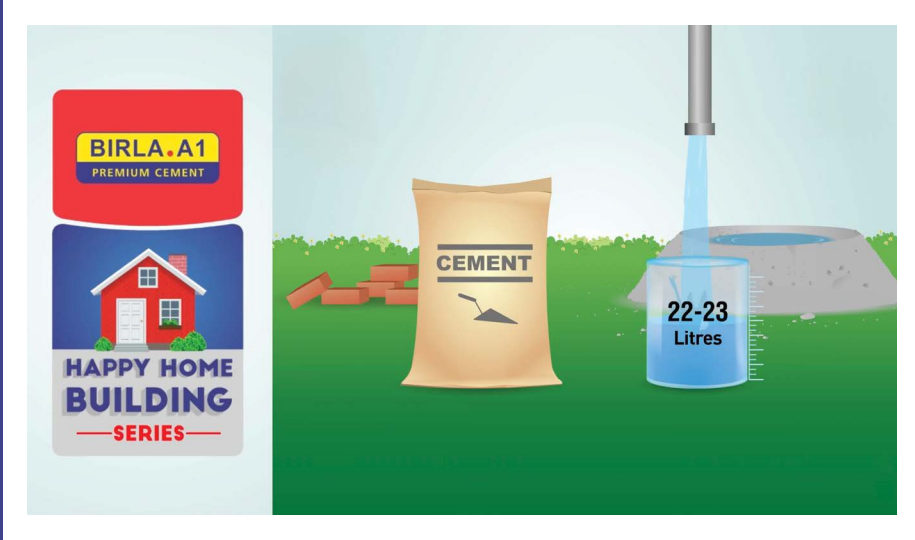


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# Water cement ratio



The water to cement ratio largely determines the strength and durability of the concrete and has a long-lasting impact on future repairs. The ratio should be ideal, so that it does not impact workability.

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# Importance of sand



Sand is the key component for creating cohesive concrete. Correct zone sand should be used for building durable and economical structures.

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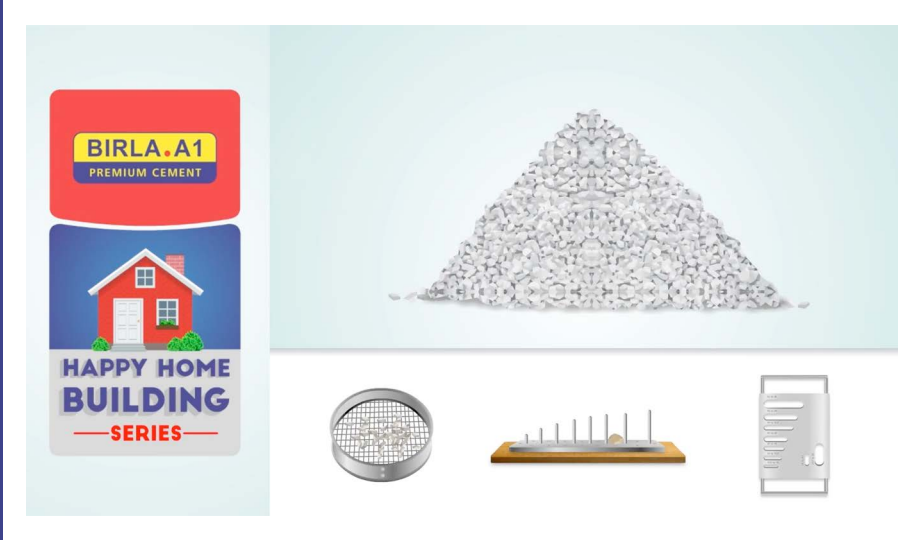
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# Utility of gravel



Gravel acts as a filler material, adding volume to concrete and determining its strength. It is very essential to understand proper gravel size for perfect construction.

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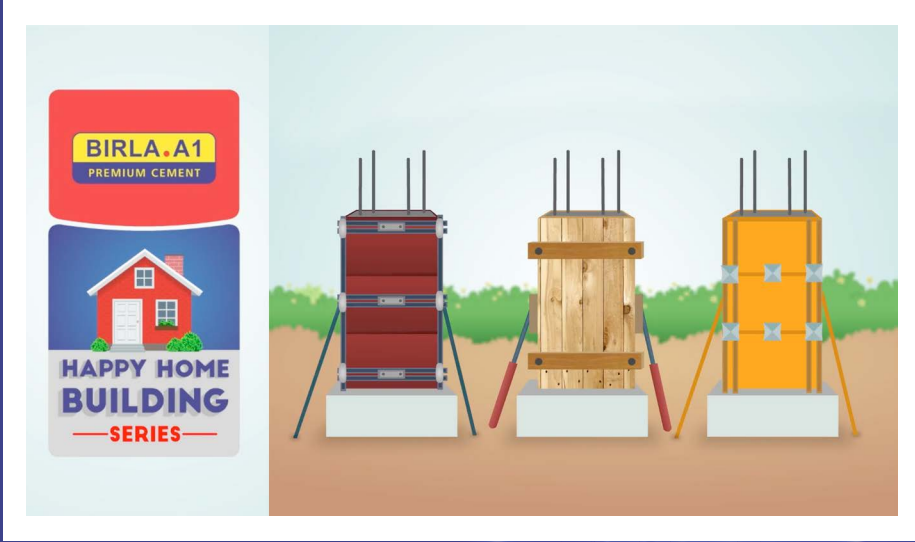


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# Importance of formwork



Formwork serves as a mould for concrete structural components and helps in getting desired shape as per structural drawing specifications. It is also known as centring or shuttering.

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# Advantage of curing



Curing prevents the loss of moisture from concrete and maintains a favourable temperature for hydration. Due to inadequate curing, concrete develops plastic shrinkage cracks, thermal cracks, and loss of strength in surface layer.

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# Honeycombing



Honeycombs are hollow spaces and cavities left in concrete mass on the surface or inside the mass where concrete cannot reach. If left untreated, there is a high possibility of moisture penetration, leading to serious structural problems.

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# How to avoid cracks



Cracks affect more than just the exterior beauty of a structure. They also aggravate the process of carbonation and chloride attacks leading to corrosion of reinforcement. If left unchecked, cracks may cause structural damages.

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