



**MAGNA**

# MAGNA INDUSTRIES

An ISO 9001 accredited company

**PRODUCT  
DATA  
SHEET**

## MAGNASET

Single shot Powder  
Hardner for Silicate Process

<b>THE PRODUCT</b>	MAGNASET is a powder product used as single shot hardening agent for silicate process.
<b>APPLICATION</b>	<p>Conventionally silicate moulding process uses sodium silicate as binder along with either CO<sub>2</sub> gas or powder hardener as hardening agent.</p> <p>MAGNASET is a powder product used as single shot hardening agent for silicate process.</p>
<b>FEATURES &amp; BENEFITS</b>	MAGNASET is a powder hardener manufactured with precise control over quality of raw materials used with their optimum reactivity resulting in reduced addition rate and better strength development.
<b>INSTRUCTIONS FOR USE</b>	<p>The addition rate of MAGNASET is about 1% based on sand (BOS). MAGNASET is first added to dry silica sand in the mixer and mixed well. This is followed by addition of Sodium silicate @ 4 to 5 % based on sand (BOS). This is further mixed for 2 to 3 minutes.</p> <p>The sand mix thus formed is rammed into the mould or core box and allowed to harden for about one hour. The hardening time varies with the addition rate of MAGNASET, Sodium silicate, quality of silica sand, ambient conditions and geometry/size of moulds and cores.</p>
<b>STANDARD PACKING</b>	50 Kg. in polylined HDPE Bags.
<b>STORAGE PRECAUTIONS</b>	Store in cool and dry place. Avoid water spillage on the product.
<b>SHELF LINE</b>	One year from the date of manufacturing.
<b>SAFETY PRECAUTIONS</b>	Moulding / Core making should be done in a well ventilated place

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