

# PLAST R

## Super Retarding Plasticizer



### General Properties:

- **PLAST R** is a concrete admixture has the following properties :
- Increases the workability time of concrete and retards initial setting time.
- Is added to mixing water.
- **PLAST R** is physiologically harmless and non-toxic.
- Is specially developed to be combined with **PLASTCRETE**.
- Dosage depends on the required initial setting time at certain temperature.

### Dose:

- The following table shows:
  - The workability time needed for concrete made with Portland cement and the suitable dose of **PLAST R** in different temperatures .

Dosage of **PLAST R** in lit / 100kg cement at different temperatures

	Workability time of concrete ( Hours )							
	3	5	7	9	12	15	18	21
10 °C	-	-	0.2	0.3	0.5	0.7	0.9	1.0
15 °C	-	0.1	0.3	0.4	0.6	0.8	1.1	1.5
20 °C	0.1	0.2	0.4	0.5	0.8	1.1	1.4	1.8
25 °C	0.2	0.3	0.5	0.6	1.0	1.5	2.0	-
30 °C	0.2	0.4	0.6	0.8	1.2	2.0	-	-
40 °C	0.5	1.3	2.0	-	-	-	-	-

W / C = 0.45

### Technical Data:

<b>Complies</b>	: with ASTM (494-71 & 80) Standard Specification for Chemical Admixtures for Concrete type B.
<b>Appearance</b>	: Slightly red.
<b>Solid Ratio</b>	: approximately 33%.
<b>Density</b>	: 1.005 gm / cm <sup>3</sup> .
<b>Sugar Content</b>	: None .
<b>Chloride Content</b>	: Less than 0.01 %.
<b>Ph Value</b>	: approximately 10 .
<b>Shelf Life</b>	: 12 months in closed container and away from sunlight, heat and humidity.

### Environment:

- Boots, rubber gloves, dust masks, and safety goggles.
- Refer to MATERIAL SAFETY DATA SHEETS (MSDS)

END OF TECHNICAL DATA

**For more information please contact our technical department**

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