

Sika® Plastiment® RX

(Formerly Catexol 1000 RX)

Set-Retarding Admixture for Concrete

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| Description | Sika® Plastiment® RX is a new generation, synthetically manufactured, set-retarding, final strength increasing admixture for concrete. Sika® Plastiment® RX provides for a more plastic and flowable concrete, greater uniformity, increased durability, reduced shrinkage and permeability in your concrete. Sika® Plastiment® RX facilitates placing and finishing by providing controlled retardation of the concrete's setting time, preventing premature stiffening. | |
| Where to Use | Since Sika® Plastiment® RX is calcium chloride free, it is recommended for use in all types of concrete including plain, reinforced, precast and prestressed concretes. Sika® Plastiment® RX is especially effective in concretes containing such pozzolanic materials as fly ash, silica fume and slag. | |
| Advantages | <ul style="list-style-type: none"> ■ Controlled retardation (determined by dosage). ■ Increased workability and easier placeability. ■ Easier and faster pumping of concrete. ■ Improved finishing characteristics for flatwork. ■ Reduced shrinkage and cracking. ■ Reduced segregation at a given slump. ■ Greater impermeability. ■ Increased concrete durability and uniformity. ■ Improved appearance of architectural concrete. ■ Increased strength at final ages. | |
| Standards | Sika® Plastiment® RX meets or exceeds the requirements of ASTM C494, Types B and D and CSA A23.1-00. | |
| | Typical Data | |
| | Packaging | 205 L (54 US gal.) drum 1040 L (275 US gal.) IBC Bulk delivery |
| | Colour and Form | Light brown liquid |
| | Shelf Life and Storage | 1 year when stored in dry warehouse conditions between 5 - 27°C (40 - 80°F). Store at above 5°C (40°F). If frozen, thaw and agitate thoroughly to return to normal state. Protect from direct sunlight. |
| | Properties | |
| | Specific Gravity | Approx 1.25 |

How to Use

Dosage

The recommended dosage range for Sika® Plastiment® RX is 175 - 320 mL/100 kg of cementitious material. Various concrete materials, slump, ambient air temperature, additions of pozzolanic materials, mixing time, and type and brand of cement will affect dosage rates. It is suggested that trial batches be conducted in order to determine the required dosage for optimum performance with your concrete components.

Sika® Plastiment® RX can be used at dosages greater than 320 mL/100 kg cement for additional retardation. Contact your Sika Canada Technical Sales Representative for further information.

If water reduction is desired, Sika® Plastiment® RX, mixed within the range of 175 - 320 mL/100 kg of cementitious material, meets the requirements of a "WN" type water reducer. It also meets the strength increasing requirements of a "SN" type admixture, while acting as an "RX" type retarder.



Construction

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| Mixing | Sika® Plastiment® RX can be dispensed into any of the concrete materials except cement, slag or fly ash. Preferably, Sika® Plastiment® RX is dispensed into the batched water. Sika® Plastiment® RX is compatible with other Sika® admixtures. However, each admixture should be added separately to the mix. |
| Clean Up | Use personal protective equipment (chemical resistant goggles/gloves/clothing). Without direct contact, remove spilled or excess product and place in suitable sealed container. Dispose of excess product and container in accordance with applicable environmental regulations. |
| Health and Safety Information | For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data. KEEP OUT OF REACH OF CHILDREN FOR INDUSTRIAL USE ONLY |

The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions, within their shelf life. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request or can be accessed in the Internet under www.sika.ca.



Sika Canada Inc.
Head Office
601 Delmar Avenue
Pointe-Claire, Quebec
H9R 4A9

Other locations
Toronto
Edmonton
Vancouver

1-800-933-SIKA
www.sika.ca

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