

# Sika® P-161

## Water-Reducing Admixture

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| <b>Description</b>  | Sika® P-161 is a water-reducing powdered admixture.   |
| <b>Where to Use</b> | Sika® P-161 is recommended for all applications where high quality concrete, with superior workability is required.   |
| <b>Advantages</b>   | <ul style="list-style-type: none"> <li>■ Economical and highly effective water reduction.</li> <li>■ Acts as a dispersant for the cement particles.</li> <li>■ Increases surface area of cement particles for early hydration.</li> <li>■ Greater compressive and flexural strengths of concrete.</li> <li>■ Type A allows up to 10% water reduction.</li> <li>■ Increased hydration in hardened and plastic states.</li> <li>■ Allows the use of more economical mixes.</li> <li>■ Makes concrete easier to pump and finish.</li> <li>■ Consistent setting times.</li> <li>■ Decreased permeability and increased durability.</li> <li>■ Does not contain intentionally added chlorides and will not initiate nor promote the corrosion of steel in the concrete.</li> </ul> |
| <b>Standards</b>    | Sika® P-161 meets the requirements of ASTM C494 Type A.   |

| Typical Data                  |   |
|-------------------------------|---|
| <b>Packaging</b>              | 15 kg (33 lb) bag   |
| <b>Colour and Form</b>        | Beige powder  |
| <b>Shelf Life and Storage</b> | 2 years when stored in original unopened bag in dry warehouse conditions. Protect from direct sunlight. |

### How to Use

**Dosage** Dosage rates will vary depending on the material used, ambient conditions and the requirements of a specific project.

For general concreting applications, the recommended dosage rate is between 135 - 270 g/100 kg of cement for normal setting characteristics. Dosage rates of 270 - 400 g/100 kg of cement are recommended for applications where higher water reduction is needed as well as extended workability and prolonged setting times.

Dosage rates outside the recommended range may be used where specialized materials such as microsilica are specified, extreme ambient conditions are encountered or unusual project conditions require special consideration. In this case, please contact your Sika Canada Technical Sales Representative for further information.

**Mixing** Measure required quantity manually or by automated dispenser.

**Combination with other Admixtures:** Sika® P-161 works effectively as a single admixture or in combination with other Sika® admixtures. When air entrained concrete is specified, it is recommended that Sika® air entraining admixtures are used.

When used in combination with other admixtures, care must be taken to dispense each admixture separately into the concrete. Do not mix with dry cement.



# Construction

**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](http://www.sika.ca).



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