

# Technical Data Sheet

## ASTM C-150

### PRODUCT NAME:

**White Portland Cement: Federal White Type I  
ASTM Designation C-150**

### MANUFACTURER:

Federal White Cement  
P.O. Box 548  
Woodstock, Ontario  
Canada  
N4S 7Y5

Phone: 800-265-1806  
519-485-5410  
FAX: 519-485-5892

### DESCRIPTION:

**Federal White Type I Cement** is a true portland cement manufactured with selected raw materials to insure negligible amounts of iron and manganese oxides so as not to produce the gray color of normal portland cement.

### BASIC USE:

**Federal White Cement** can be used for all types of architectural or structural concrete construction where a whiter or brighter color may be needed for aesthetic or safety reasons. Such application as pre-cast panels and systems, cast-in-place, masonry units, tilt-up panel systems, roofing tiles, terrazzo floors, highway median barriers, tile grout, swimming pools, stucco, colored masonry products, cement paints and coatings and ornamental precast concrete items lend themselves to using **Federal White Cement**. **Federal White Cement** may also be used to satisfy low alkali requirements.

### INSTALLATION:

Architect should approve the color and surface texture of samples submitted by the contractor or precaster.  
Contact **Federal White Cement** for further information or assistance.

### TECHNICAL DATA:

Federal White Portland Cement is manufactured to conform to all current requirements of ASTM Designation C-150.

See table for physical properties.



### AVAILABILITY AND COST:

**Federal White Cement** can be shipped to most destinations in the United States and Canada from our manufacturing plant or terminal. Cement shipments can be made by rail or truck in bags or in bulk.

The price, F.O.B. destination, of **Federal White Cement** will be furnished by the manufacturer upon request.

### WARRANTY:

**Federal White Type I Portland Cement** complies with the current ASTM C-150. **Federal White Cement** makes no guarantee or warranty, expressed or implied, including, without limitation, warranties of fitness or merchantability with respect to this product.

### MAINTENANCE:

Concrete and other products manufactured with **Federal White Cement** should require no additional maintenance if designed and constructed following proper and accepted procedures.

### TECHNICAL SERVICES:

Technical service, consultation, and additional product information are available by contacting **Federal White Cement**.

PRODUCTS

CONTACT US

MSDS

TRANSLOADING SERVICES

ASSOCIATIONS & LINKS

FEATURED PROJECT

HOME

PHYSICAL PROPERTY	FEDERAL WHITE Typical Type I	ASTM C – 150 Specification Type I
<b>Fineness:</b>		
Specific Surface (sq. m / kg)	400	280 minimum
<b>Setting Time – Vicat</b>		
Minutes	120	
not less than		45
not more than		375
<b>Air Content %</b>	8	12 maximum
<b>Compressive Strength, psi(MPa)</b>		
1 day	2000 (13.8)	--
3 day	3900 (26.9)	1740 (12.0) minimum
7 day	4800 (33.1)	2760 (19.0) minimum
28 day	6500 (44.8)	--