

FORM P 6054

## TECHNICAL CHANGE ORDER

CERTAIN-TEED PRODUCTS CORPORATION  
PIPE DIVISION

APPLICABLE TO:

Standard Purchasing Specification No. 501

DATE OF ISSUE:

May 15, 1968

T.C.O. NO.:

2

PAGE NO.:

1

DESCRIPTION:

Pulverized Silica

PURPOSE

1. Test procedures that are described in Certain-teed "Standard Test Methods" have been deleted from the purchasing specification.
2. The filterability test requirement has been eliminated.
3. "Table B" has been revised to be in accord with most recent particle size distribution requirements.
4. The list of approved vendors has been revised.
5. A silica lot reject procedure has been added in the addendum.

EFFECTIVE DATE OF CHANGE

Date of issue.

DISPOSITION OF SUPERSEDED PAGES

Upon receipt of the revised pages attached, destroy Pages 1 through 6, dated November 3, 1965 and Addendum Pages 1 and 2, dated November 3, 1965.

CTD012399

PREPARED BY:

APPROVED BY:

R &amp; D

MFG.

SALES

I.E.

OTHERS

## TECHNICAL SPECIFICATIONS

| <br><b>CERTAIN-TEED PRODUCTS CORPORATION</b><br><b>PIPE DIVISION</b><br><b>CERTAINTEED</b>                                                                                                                                                                                                                                                                                                                       | <b>SPECIFICATIONS CLASSIFICATION:</b>    |                                             |                              |                             |             |                    |                       |         |                  |         |                                   |         |                                      |         |              |        |                    |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------|------------------------------|-----------------------------|-------------|--------------------|-----------------------|---------|------------------|---------|-----------------------------------|---------|--------------------------------------|---------|--------------|--------|--------------------|---------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Standard Purchasing Specification</b> |                                             |                              |                             |             |                    |                       |         |                  |         |                                   |         |                                      |         |              |        |                    |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>T.C.O. REF. NO.</b><br>4              | <b>SPECIFICATION NO:</b><br>501             | <b>PAGE NO.:</b><br>2        |                             |             |                    |                       |         |                  |         |                                   |         |                                      |         |              |        |                    |         |
| <b>SUPERSEDES:</b><br>May 15, 1968                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          | <b>DATE OF ISSUE:</b><br>September 11, 1969 |                              |                             |             |                    |                       |         |                  |         |                                   |         |                                      |         |              |        |                    |         |
| <b>DESCRIPTION:</b><br><br>Pulverized Silica                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                          |                                             |                              |                             |             |                    |                       |         |                  |         |                                   |         |                                      |         |              |        |                    |         |
| <b>E. <u>TEST METHODS</u></b><br><br><b>1. <u>Chemical and Physical</u></b><br><br>The following tests will be conducted in accordance with the applicable CAP Division Test Methods.                                                                                                                                                                                                                                                                                                             |                                          |                                             |                              |                             |             |                    |                       |         |                  |         |                                   |         |                                      |         |              |        |                    |         |
| <table border="0"> <thead> <tr> <th><u>Test</u></th> <th><u>Test Method</u></th> </tr> </thead> <tbody> <tr> <td>Free Moisture Content</td> <td>TM - 30</td> </tr> <tr> <td>Loss on ignition</td> <td>TM - 31</td> </tr> <tr> <td>Total silica (Si O<sub>2</sub>)</td> <td>TM - 25</td> </tr> <tr> <td>Per cent available Si O<sub>2</sub></td> <td>TM - 25</td> </tr> <tr> <td>Surface area</td> <td>TM - 3</td> </tr> <tr> <td>Wet sieve analysis</td> <td>TM - 24</td> </tr> </tbody> </table> |                                          |                                             |                              |                             | <u>Test</u> | <u>Test Method</u> | Free Moisture Content | TM - 30 | Loss on ignition | TM - 31 | Total silica (Si O <sub>2</sub> ) | TM - 25 | Per cent available Si O <sub>2</sub> | TM - 25 | Surface area | TM - 3 | Wet sieve analysis | TM - 24 |
| <u>Test</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <u>Test Method</u>                       |                                             |                              |                             |             |                    |                       |         |                  |         |                                   |         |                                      |         |              |        |                    |         |
| Free Moisture Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TM - 30                                  |                                             |                              |                             |             |                    |                       |         |                  |         |                                   |         |                                      |         |              |        |                    |         |
| Loss on ignition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TM - 31                                  |                                             |                              |                             |             |                    |                       |         |                  |         |                                   |         |                                      |         |              |        |                    |         |
| Total silica (Si O <sub>2</sub> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | TM - 25                                  |                                             |                              |                             |             |                    |                       |         |                  |         |                                   |         |                                      |         |              |        |                    |         |
| Per cent available Si O <sub>2</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                              | TM - 25                                  |                                             |                              |                             |             |                    |                       |         |                  |         |                                   |         |                                      |         |              |        |                    |         |
| Surface area                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TM - 3                                   |                                             |                              |                             |             |                    |                       |         |                  |         |                                   |         |                                      |         |              |        |                    |         |
| Wet sieve analysis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | TM - 24                                  |                                             |                              |                             |             |                    |                       |         |                  |         |                                   |         |                                      |         |              |        |                    |         |
| <b>F. <u>ACCEPTANCE AND REJECTION</u></b><br><br>CAP Division reserves the right to reject any lot of pulverized silica which does not conform to the requirements of this specification. If any lot is rejected, the supplier shall be advised within 24 hours and the reason for the rejection explained.                                                                                                                                                                                       |                                          |                                             |                              |                             |             |                    |                       |         |                  |         |                                   |         |                                      |         |              |        |                    |         |
| <b>G. <u>PACKAGING AND MARKING</u></b><br><br>Pulverized silica shall be supplied in bulk shipments by railroad car, truck or direct pipe line. Unless otherwise specified, each lot shall be marked as CPC 501 Silica and identified by the delivery date. All invoices shall include this information.                                                                                                                                                                                          |                                          |                                             |                              |                             |             |                    |                       |         |                  |         |                                   |         |                                      |         |              |        |                    |         |
| CTD012407                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                          |                                             |                              |                             |             |                    |                       |         |                  |         |                                   |         |                                      |         |              |        |                    |         |
| <b>PREPARED BY:</b><br>E. Dersham                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>APPROVED BY:</b><br>[Signature]       | <b>R &amp; D</b><br>[Signature]             | <b>MFG.</b><br>[Signature]   | <b>SALES</b><br>[Signature] |             |                    |                       |         |                  |         |                                   |         |                                      |         |              |        |                    |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                          | <b>I.E.</b><br>[Signature]                  | <b>OTHERS</b><br>[Signature] |                             |             |                    |                       |         |                  |         |                                   |         |                                      |         |              |        |                    |         |

# TECHNICAL SPECIFICATIONS

**CertainTeed**

CertainTeed Corporation  
Pipe and Plastics Group

## SPECIFICATIONS CLASSIFICATION:

A/C Standard Purchasing Specification

T.C.O. REF. NO.

8

SPECIFICATION NO.

501

PAGE NO.:

3

SUPERSEDES:

April 25, 1973

DATE OF ISSUE:

January 19, 1984

## DESCRIPTION:

Pulverized Silica

TABLE A

### Chemical Requirements - Type A and Type B

| <u>Ingredient or Item</u>  | <u>Max. %</u> | <u>Min. %</u> |
|----------------------------|---------------|---------------|
| Free Moisture Content      | 1.0           |               |
| Loss on Ignition           | 1.0           |               |
| Total SiO <sub>2</sub>     |               | 95.0          |
| Available SiO <sub>2</sub> |               | 90.0          |

TABLE B

### Physical Requirements

| <u>Item</u>                                      | <u>Requirement</u> |               |
|--------------------------------------------------|--------------------|---------------|
|                                                  | <u>Type A</u>      | <u>Type B</u> |
| Surface Area, Blaine sq. cm./gram                |                    |               |
| a. 98 + % SiO <sub>2</sub> (Total)               | --                 | 3200 ± 400    |
| b. 96 - 98% SiO <sub>2</sub> (Total)             | 3300 ± 300         | --            |
| c. 95 - 96% SiO <sub>2</sub> (Total)             | 3600 ± 300         | --            |
| Residue on U.S. Std. No. 220 Mesh Sieve, %, Max. | 10.0               | 15.0          |
| Residue on U.S. Std. No. 325 Mesh Sieve, %, Max. | 35.0               | 40.0          |

CTD012408

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