

TECHNICAL DATA SHEET

DESCRIPTION

Q-Set is a non-corrosive accelerating admixture which contains no calcium chloride. Q-Set quickens the hydration of cement resulting in shorter setting times and high early strength. Q-Set provides improved workability, helps decrease segregation and is a substantial aid in early stiffening for mortar and stucco mixes. Q-Set is a V.O.C. compliant aqueous solution of organic and inorganic compounds that produces a rapid heat development of the mortar that protects it from freezing during its early life at low temperatures.

USE

Q-Set is specifically formulated for use in cold weather or wherever it is desirable to reduce the setting time, increase early strength and improve mortar workability. Use Q-Set to prevent the corrosive effect of calcium chloride admixtures. Use Q-Set where the corrosion of imbedded steel, steel reinforcement or ties must be avoided.

FEATURES

- Speeds setting times one to three hours
- Protects from freezing during early mortar life
- Reduces production time due to the improved workability and reduction of set time
- Decreases mortar segregation
- Increases protection for reinforcing rods, ties and imbedded steel
- Produces high early strength
- V.O.C. compliant

PROPERTIES

Q-Set will reduce water requirements 4% to 8%. Meets ASTM C-494 and ASTM C-270 (as applicable to mortar) complies with industry standard for non-chloride masonry accelerator

VOC

0 g/L. Compliant with all of Canada and US VOC regulations for accelerating admixtures including Federal EPA, OTC, LADCO, SCAQMD & CARB.

Estimating Guide

Temperature	Portland Cement / 94 lb. Cement	Masonry Cement (N) / 94 lb Masonry Cement
+50°F (+10°C)	18 oz. (532.3 ml)	10 oz. (295.7 ml)
40-50°F (5-10°C)	26 oz. (768.9 ml)	12 oz. (354.9 ml)
30-40°F (-1.1-5°C)	36 oz. (1064.7 ml)	18 oz. (532.3 ml)
20°F (-6.6°C)	46 oz. (1360.4 ml)	25 oz. (739.3 ml)

Packaging

PRODUCT CODE	PACKAGE	SIZE	
		Gallons	Liter
145286	Pail	5	18.9

STORAGE

KEEP FROM FREEZING. Shelf life is 12 months from date of manufacture in original unopened containers.

APPLICATION

Add Q-Set to water and aggregate. Q-Set can be added to the sand, in the water or to the complete mix. Do not add to dry cement. Do not allow Q-Set to contact other additives before entering the mortar.

Add Q-Set at the rate of 10 to 25 oz. (283-707.5 gm) per bag of masonry cement depending upon the degree of acceleration required. For Portland Cement, add 18 to 46 oz. (509-1302 gm) of Q-Set.

It is recommended that the exact rate of addition be determined by testing the actual materials to be used on each job. The rates of additions given are guidelines based upon a variety of conditions and materials.

LIMITATIONS

Q-Set will freeze at -5°F (-20.5°C). If freezing occurs, thaw completely and agitate.

Although Q-Set helps prevent freeze damage at the early stages, proper cold weather protection should also be utilized in severe cold weather conditions.

PRECAUTIONS

READ SDS PRIOR TO USING PRODUCT

- Keep material and containers away from high heat, open flames, sparks or other sources of ignition
- Use with adequate ventilation
- Wear protective clothing, gloves and eye protection (Goggles, Safety Glasses and/or Face Shield)
- Keep out of the reach of children
- Do not take internally
- In case of ingestion, seek medical help immediately
- May cause skin irritation upon contact, especially prolonged or repeated.
- If skin contact occurs, wash immediately with soap and water and seek medical help as needed
- If eye contact occurs, flush immediately with clean water and seek medical help as needed
- Dispose of waste material in accordance with federal, state and local requirements

TECHNICAL DATA SHEET**MANUFACTURER**

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WARRANTY

Dayton Superior Corporation ("Dayton") warrants for 12 months from the date of manufacture or for the duration of the published product shelf life, whichever is less, that at the time of shipment by Dayton, the product is free of manufacturing defects and conforms to Dayton's product properties in force on the date of acceptance by Dayton of the order. Dayton shall only be liable under this warranty if the product has been applied, used, and stored in accordance with Dayton's instructions, especially surface preparation and installation, in force on the date of acceptance by Dayton of the order. The purchaser must examine the product when received and promptly notify Dayton in writing of any non-conformity before the product is used and no later than 30 days after such non-conformity is first discovered. If Dayton, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the non-conforming product, refund the purchase price or issue a credit in the amount of the purchase price. This is the sole and exclusive remedy for breach of this warranty. Only a Dayton officer is authorized to modify this warranty. The information in this data sheet supersedes all other sales information received by the customer during the sales process. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.

Dayton shall not be liable in contract or in tort (including, without limitation, negligence, strict liability or otherwise) for loss of sales, revenues or profits; cost of capital or funds; business interruption or cost of downtime, loss of use, damage to or loss of use of other property (real or personal); failure to realize expected savings; frustration of economic or business expectations; claims by third parties (other than for bodily injury), or economic losses of any kind; or for any special, incidental, indirect, consequential, punitive or exemplary damages arising in any way out of the performance of, or failure to perform, its obligations under any contract for sale of product, even if Dayton could foresee or has been advised of the possibility of such damages. The Parties expressly agree that these limitations on damages are allocations of risk constituting, in part, the consideration for this contract, and also that such limitations shall survive the determination of any court of competent jurisdiction that any remedy provided in these terms or available at law fails of its essential purpose.