



GENERAL CONCRETE WORKS



Technical Data Sheet: Totalcrete Polymer (*Liquid Cement*)

DESCRIPTION:

TOTALCRETE POLYMER (Liquid Cement) is a high-performance super plasticizer formulated from selected polymers specially designed to enable the water content of the concrete to perform more effectively. This effect can be used in high-strength concrete mixes to improve workability, increase ultimate strengths or facilitate a reduction in the cement content while sustaining and improving mix properties.

ADVANTAGES:

- 100% waterproof and damp-resistant concrete.
- Allows for high-strength production without excessive cement contents.
- Suitable for plastering, tiling and concrete works
- Improved workability reduces placing and compaction problems.
- Cement saving without affecting strength.
- Accelerates cement setting time
- Minimizing segregation and bleeding problems by improving cohesion.
- More durable concrete as a result of reduction in permeability and lower water-to-cement ratio.
- Light weight concrete

PACKAGING:

- Totalcrete Polymer is available in 5Litre, 20Litre Jerricans

COMPATIBILITY:

Totalcrete polymer can be used with all types of Portland cement and cement replacement materials. Totalcrete polymer is compatible with other admixtures used in the same concrete mix. If more than one type of admixture is to be used in the concrete mix, they must be dispensed to the concrete separately.

METHOD OF USE:

- Totalcrete polymer should be added in the water to be used for the concrete mix or dispensed directly into the concrete while adding water to achieve maximum performance.

MIX METHOD:

- *Before use, mix thoroughly.*

STANDARDS:

- Totalcrete polymer complies with BS EN 934-2:1998 and ASTM C494 Type G

TECHNICAL PROPERTIES:

Appearance: Milky

Specific Gravity: 1.88

DOSAGE:

Totalcrete Polymer = 1% - 1.5% of cement content (100kg cement : 1Litre – 1.5Litre), depending on the desired strength to be achieved.

STORAGE:

Store in a dry area out of reach of direct sunlight between 3⁰C and 50⁰C.

CAUTION HEALTH AND SAFETY:

Totalcrete polymer is not classified as hazardous material. In case of accidental splashes to the eye, rinse with clean water and seek medical advice. Suitable protective gloves and goggles should be worn. For further information refer to the material safety data sheet. Totalcrete polymer is nonflammable.

USES & APPLICATION:**1. 100% WATERPROOF CONCRETE (For General Concrete Work)**

Product Combo	Totalcrete polymer + Portland Cement
Mix Ratio	a) Dilute 1litre of totalcrete polymer : 20Litres of Water b) Use the diluted totalcrete Polymer for your concrete mix

2. HIGH STRENGTH DAMP-RESISTANT BLOCKS:

Product Combo	Totalcrete polymer + Portland Cement
Mix Ratio	a) Dilute 1.5litre of totalcrete polymer : 20Litres of Water b) Use the diluted totalcrete Polymer for your cement mix

TECHINICAL ADVICE:

Call RTT Sealant: (+1)416-414-4285, (+1)473-406-5336

Email RTT Sealant: www.axioncanada.com

Prepared by: Axion Construction Solutions Inc.

Preparation date: 24th August 2024

TECHINICAL ADVICE:

Customers are advised to consider the information in this data sheet in the context of how the product will be used, including surfaces and any other products used. The information provided in this data sheet represents our best scientific and practical knowledge. Any advice, information or assistance provided by AXION in relation to its products is given in good faith, however is provided without liability or responsibility. Due to the wide variety of site conditions we are unable to assume liability for any loss that may arise from the use of our products. The user is responsible for checking the suitability of products for their intended use.



AXION TOTALCRETE POLYMER (High-Range Super Plasticizer)



Technical Data Sheet: Totalcrete Polymer (High-Range Super Plasticizer)

DESCRIPTION:

TOTALCRETE POLYMER (High-Range Super Plasticizer) is a 4-in-one high-performance super plasticizing admixture formulated from selected polymers specially designed to enable the water content of the concrete to perform more effectively. This effect can be used in high-strength concrete mixes to improve workability, increase ultimate strengths or facilitate a reduction in the cement content while sustaining and improving mix properties.

APPLICATION:

- Recommended for early high-strength concrete mixes.
- Excellent Plasticizer
- Can be used as a Retarder
- 100% Water-proofing / damp-resistant effect
- Piling works, Pile caps
- Ready concretes... etc.

ADVANTAGES:

- Allows for high-strength production without excessive cement contents.
- Improved workability reduces placing and compaction problems.
- Cement saving without affecting strength.
- Minimizing segregation and bleeding problems by improving cohesion.
- More durable concrete as a result of reduction in permeability and lower water-to-cement ratio.
- 100% waterproof and damp resistant.

PACKAGING:

- Totalcrete Polymer is available in 1000Litres.

COMPATIBILITY:

Totalcrete polymer can be used with all types of Portland cement and cement replacement materials. Totalcrete polymer is compatible with other admixtures used in the same concrete mix. If more than one type of admixture is to be used in the concrete mix, they must be dispensed to the concrete separately.

METHOD OF USE:

- Totalcrete polymer should be added in the water to be used for the concrete mix or dispensed directly into the concrete while adding water to achieve maximum performance.

Mix Method:

- *Before use, mix thoroughly.*

STANDARDS:

- Totalcrete polymer complies with BS EN 934-2:1998 and ASTM C494 Type G

TECHNICAL PROPERTIES:

Appearance: Milky

Specific Gravity: 1.88

DOSAGE:

Totalcrete Polymer = 1% - 1.5% of cement content (100kg cement : 1Litre – 1.5Litre), depending on the desired strength to be achieved.

STORAGE:

Store in a dry area out of reach of direct sunlight between 3⁰C and 50⁰C.

CAUTION HEALTH AND SAFETY:

Totalcrete polymer is not classified as hazardous material. In case of accidental splashes to the eye, rinse with clean water and seek medical advice. Suitable protective gloves and goggles should be worn. For further information refer to the material safety data sheet. Totalcrete polymer is nonflammable.

TECHNICAL ADVICE:

Call RTT Sealant: (+1)416-414-4285, (+1)473-406-5336

Email RTT Sealant: www.axioncanada.com

Prepared by: Axion Construction Solutions Inc.

Preparation date: 24th August 2024

TECHNICAL ADVICE:

Customers are advised to consider the information in this data sheet in the context of how the product will be used, including surfaces and any other products used. The information provided in this data sheet represents our best scientific and practical knowledge. Any advice, information or assistance provided by AXION in relation to its products is given in good faith, however is provided without liability or responsibility. Due to the wide variety of site conditions

we are unable to assume liability for any loss that may arise from the use of our products. The user is responsible for checking the suitability of products for their intended use.



AXION SCREED-PLASTERING



Technical Data Sheet: Totalcrete Polymer (*Liquid Cement*)

DESCRIPTION:

TOTALCRETE POLYMER (*Liquid Cement*) is a high-performance super plasticizer formulated from selected polymers specially designed to enable the water content of the concrete to perform more effectively. This effect can be used in high-strength concrete mixes to improve workability, increase ultimate strengths or facilitate a reduction in the cement content while sustaining and improving mix properties.

ADVANTAGES:

- 100% waterproof and damp-resistant concrete.
- Allows for high-strength production without excessive cement contents.
- Suitable for plastering, tiling and concrete works
- Improved workability reduces placing and compaction problems.
- Cement saving without affecting strength.
- Accelerates cement setting time
- Minimizing segregation and bleeding problems by improving cohesion.
- More durable concrete as a result of reduction in permeability and lower water-to-cement ratio.
- Light weight concrete

PACKAGING:

- Totalcrete Polymer is available in 5Litres, 20Litres Jerricans.

COMPATIBILITY:

Totalcrete polymer can be used with all types of Portland cement and cement replacement materials. Totalcrete polymer is compatible with other admixtures used in the same concrete mix. If more than one type of admixture is to be used in the concrete mix, they must be dispensed to the concrete separately.

METHOD OF USE:

- Totalcrete polymer should be added in the water to be used for the concrete mix or dispensed directly into the concrete while adding water to achieve maximum performance.

MIX METHOD:

- *Before use, mix thoroughly*

STANDARDS:

- Totalcrete polymer complies with BS EN 934-2:1998 and ASTM C494 Type G

TECHNICAL PROPERTIES:

Appearance: Milky

Specific Gravity: 1.88

DOSAGE:

Totalcrete Polymer = 1% - 1.5% of cement content (100kg cement : 1Litre – 1.5Litre), depending on the desired strength to be achieved.

STORAGE:

Store in a dry area out of reach of direct sunlight between 3⁰C and 50⁰C.

CAUTION HEALTH AND SAFETY:

Totalcrete polymer is not classified as hazardous material. In case of accidental splashes to the eye, rinse with clean water and seek medical advice. Suitable protective gloves and goggles should be worn. For further information refer to the material safety data sheet. Totalcrete polymer is nonflammable.

USES & APPLICATION:**1. SCREED-PLASTERING:**

Product Combo	Totalcrete polymer + Plastering mix + Totalcrete Cement or Tuffcrete Cement
Mix Ratio	Plastering mortar: a) Dilute 1litre of totalcrete polymer : 20Litres of Water b) With the diluted Totalcrete Polymer, Mix the cement and sand to form your plastering mortar. 30mins after plastering, mix the raw polymer with the Totalcrete or tuffcrete cement thoroughly to make your screeding paste and screed immediately Screeding Paste: c) 1 jerrican of Totalcrete polymer (20L) : 1 bag of totalcrete cement or tuffcrete cement (20kg). mix gradually until the desired consistency is achieved.
Coverage	35- 40SQM

2. 100% WATERPROOF PLASTERING:

Product Combo	Totalcrete polymer + Plastering mix
Mix Ratio	Plastering mortar: a) Dilute 1litre of totalcrete polymer : 20Litres of Water b) With the diluted Totalcrete Polymer, Mix the cement and sand to form a mortar

TECHINICAL ADVICE:

Call RTT Sealant: (+1)416-414-4285, (+1)473-406-5336

Email RTT Sealant: www.axioncanada.com

Prepared by: Axion Construction Solutions Inc.

Preparation date: 24th August 2024

TECHINICAL ADVICE:

Customers are advised to consider the information in this data sheet in the context of how the product will be used, including surfaces and any other products used. The information provided in this data sheet represents our best scientific and practical knowledge. Any advice, information or assistance provided by AXION in relation to its products is given in good faith, however is provided without liability or responsibility. Due to the wide variety of site conditions we are unable to assume liability for any loss that may arise from the use of our products. The user is responsible for checking the suitability of products for their intended use.