

# TECHNICAL DATA SHEET



## VERTICAL SYSTEMS

**SIMPLE ONE DOSE ADMIX POWDER WITH  
PROPRIETARY SYSTEM THAT REDUCES CRACKING**

**OPTIMUM CARVING PROPERTIES, EXCELLENT ADHESION  
FOR VERTICAL & OVERHEAD APPLICATIONS**

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## **DESCRIPTION**

CAR-VZ is a pre-blended powdered admixture that increases the performance of vertical carving applications.

## **BENEFITS OF USE**

- Excellent adhesion for vertical and overhead applications
- Optimum carving properties
- Proprietary system reduces cracking and will not affect the carving experience
- Simple one dose powdered admixture
- Enhanced freeze/thaw protection
- Reduces efflorescence
- Boosts compression and flexural strengths

## **DOSAGE RECOMMENDATIONS**

Car-VZ is designed to provide excellent performance at 12% of the cement weight. Optimum performance when dosed at 17% of cement weight.

When making your mix from scratch we suggest the following example as a good starting point:

- 94 # of type I Portland cement
- 12 # of Car-VZ
- 3 (5-gallon) pails of coarse sand (1/8" minus)

Water is added slowly during mixing to meet your desired consistency. Make some trials and adjust as preferred

When adding Car-VZ to a pre-blended mortar mix figure that the blend is roughly 33% cement. For example:

- 1-80 lb. bag of mortar mix will contain about 26.5 lb. of cement.  
 $26.5 \text{ lb} \times 0.12 \text{ lb} = 3 \text{ lb of Car-VZ.}$
- Water is added slowly during mixing to meet your desired consistency.
- To further customize / personalize your desired mix you can add additional fiber / clay or any material of your choice.

## **APPLICATION TIPS**

- Can be applied in various thicknesses, minimum thickness: 1 inch. Percentage factor of shrinkage cracks increase as thickness has been decreased.
- In the event of “overhead” installation, fireclay can be added to increase “stickiness” for this application. Quantity to vary on a site to site basis. Installer should conduct test samples prior to installation as sand size and gradients impact the “hanging” effect. Smaller sand grits tend to hang less compared to a standard construction sand. The larger sand outputs less definition in the final carving stage. User definable.
- Sand size will affect the overall performance of Car-VZ, which is highly desirable, as it can render a multitude of textures:
  - Wood Grain: Fine sand size is preferred for simulated wood grain as “high texture definition” is required.
  - Rock: This can vary as rock texture varies from one type to the next. The methodology is the finer the sand size the smoother the rock finish will be. Coarser sands generate a more pronounced texture.
- Hand applied install: saturate scratch coat with a water polymer mix
- When applying, make proper measures not to entrap air between scratch coat surface and Car-VZ.
- Water demand for mixing: This will vary as sand holds water which will affect the overall demand. Environmental conditions need to be taken into consideration when placing Car-VZ.

## **PACKAGING**

20 lb pails  
240 lb drums

## **COVERAGE/YIELD**

9 lbs of Car-VZ admixture will produce about 1 CF of mixed material.  
This translates to a coverage rate of about 800-1200 sq. ft. at 2-3” thick.

## **SHELF LIFE/STORAGE**

Shelf life: 1 year

Storage: store in sealed container, keep away from moisture

## **DISPOSAL**

Follow all federal, state, and local regulations when disposing of this product.

## **LIMITATIONS**

For use in carving applications, contact Trinic with any questions.

## **WARRANTY**

Warranty of this product, when used according to the directions, is limited to refund of purchase price, or replacement of product (if defective), at manufacturer / seller's option. Trinic products shall not be liable for cost of labor or direct and/or incidental consequential damages.

## **SAFETY DATA SHEET**

SDS for all Trinic products can be found on our website or by contacting us directly.



# THE TRUE COST OF VERTICAL CONCRETE

## COST COMPARISON

### USING SCRATCH MIX

BEST CHOICE! STRONGEST, MOST PROFITABLE & VERSATILE OPTION

#### COMPETITOR A

**\$0.22/LB**  
BATCH COST

#### COMPETITOR B

**\$0.27/LB**  
BATCH COST

#### TRINIC

**\$0.16/LB**  
BATCH COST

### USING S-TYPE MORTAR

#### COMPETITOR A

**\$0.88/LB**  
ADMIX COST

**\$0.22/LB**  
BATCH COST

#### COMPETITOR B

**\$1.20/LB**  
ADMIX COST

**\$0.27/LB**  
BATCH COST

#### TRINIC

**\$2.60/LB**  
ADMIX COST

**\$0.27/LB**  
BATCH COST

## COMPETITOR PRODUCTS

- LIMITED TO PRE-BAGGED MORTAR
- LIMITED TEXTURE TYPE & LACKS TEXTURE DETAILS
- EXCESSIVE STICKINESS
- INCREASED SHRINKAGE & POTENTIAL FOR EFFLORESCENCE
- LOWER CEMENT TO SAND RATIO
- FIXED SAND TYPE
- INCREASED LIME %



## TRINIC CARVZ

- SIMPLE ONE DOSE ADMIX POWDER
- INVISIBLE SPECIALTY FIBER REDUCES CRACKING
- HIGH COMPRESSIVE STRENGTHS
- OPTIMUM CARVING PROPERTIES
- EXCELLENT ADHESION FOR VERTICAL & OVERHEAD APPLICATIONS
- DRIES TO A BRIGHT GRAY ALLOWING FOR VIBRANT COLORATIONS

