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TD.407 – TECHNICAL DATA: Mixing instructions for CPR1000™

Different silica quartz/sand sizes are listed for two reasons. First, different geographical regions do not always offer every REQUIRED size or REQUIRED shape of silica quartz/sand. Second, the size of the silica quartz/sand can greatly change a multitude of performance characteristics ranging from; adhesion, abrasion, tensile strength, flexibility, water resistance and overall wearability. For example, a larger sieve silica quartz/sand such as a 20 sieve will have increased abrasion resistance compared to a 60 sieve even if the mix designs are exactly as listed below. Conversely, a smaller sieve silica quartz/sand has a smoother and less grainy texture and will not have the same abrasion resistance as the larger sieve. This is one reason why we have also included mix options which call for a blend of two types of sand.

Blends of silica quartz/sand are the most idea mix designs. Hence the reason there are more than 9 different sieve sizes of silica quartz in THIN-FINISH™ and TEXTURE-PAVE™.

APPLICATION	CPR1000™	CLEAN, POTTABLE WATER	WHITE PORTLANT CEMENT	ROUND, GRADED SILICA SAND And SIEVE SIZE	ESTIMATED MIXED VOLUME	ESTIMATED COVERAGE
Base/Skim	5 gallons	8-9 gallons	94 Lbs.	300 Lbs. #20	45 gallons	1400 sq. ft.
Option #2	1 gallon	1 3/4 gallon	2 gallons	6 gallons #20	9 gallons	280 sq. ft.
Option #3	5 gallons	8 gallons	94 Lbs.	100 Lbs. #30 & 100 Lbs. #60	28 gallons	1300 sq. ft.
Option #4	1 gallon	1 1/2 gallon	2 gallons	2 gallons #30 & 2 gallons #60	5 1/2 gallons	260 sq. ft.
Option #5	5 gallons	8 gallons	94 Lbs.	150 Lbs. #60	22 gallons	1600 sq. ft.
Option #6	1 gallon	1 1/2 gallon	2 gallons	3 gallons #60	5 gallons	320 sq. ft.
Slate Texture	4 gallons	7 gallons	94 Lbs.	100 Lbs. #30 & 100 Lbs. #60	27 gallons	900 sq. ft.
Option #2	3 1/2 quarts	1 1/2 gallon	2 gallons	2 gallons #30 & 2 gallons #60	5 1/2 gallons	175 sq. ft.
Option #3	4 gallons	7 gallons	94 Lbs.	150 Lbs. #60	25 Gallons	1000 sq. ft.
Option #4	3 1/2 quarts	1 1/2 gallon	2 gallons.	3 gallons #60	5 gallons	200 sq. ft.
Splatter Texture	4 gallons	7 1/2 Gallons	94 Lbs.	125 Lbs. #60	20 Gallons	900 sq. ft.
Option #2	3 1/2 quarts	1 1/2 gallon	2 gallons	2 1/2 gallons #60	4 gallons	175 sq. ft.
Option #3	4 gallons	7 1/2 Gallons	94 Lbs.	100 Lbs. #30 & 100 Lbs. #60	28 gallons	1100 sq. ft.
Option #4	3 1/2 quarts	1 1/2 gallon	2 gallons	2 gallons #30 & 2 gallons #60	5 1/2 gallons	215 sq. ft.
Thin Stamped Overlay	1 gallon	2 ¾ gallons	40 Lbs.	120 Lbs. #40	15 gallons	75 sq. ft. @ 1/4" or 50 sq. ft. @ 3/8"
Option #2	1 gallon	2 ¾ gallons	40 Lbs.	60 Lbs. #30 & 60 Lbs. #60	15 gallons	75 sq. ft. @ 1/4" or 50 sq. ft. @ 3/8"
Fill/Patch	2 gallons	6 gallons	94 Lbs.	300 Lbs. #12, #16 or #20	35 gallons	96+ sq. ft. @3/4"
Regrade Level	2 1/4 gallons	6 gallons	94 Lbs.	300 Lbs. #12, #16 or #30	35 gallons	128+ sq. ft. @1/2"

ATTENTION

Silica quartz/sand MUST BE clean, washed and round in shape. Angular silica quartz/sand WILL NOT WORK. Do not use “play sand” or masonry sand. Water amounts are approximate. Coverage rates may vary. These are starting point formulations for guideline purposes only. The user should determine all mix designs for specific purpose intended. Some mix designs may be made thicker by slightly decreasing water content.

The information herein is general information to assist our customers in determining whether our products are suitable for their specific applications. Our products are intended for sale to commercial and industrial customers. We require that customers should inspect and test our products before use to satisfy themselves as to the content and suitability for the applications they intend to use our products for. **Nothing herein shall constitute any warranty expressed or implied, including any warranty of merchantability or fitness for a particular purpose,** nor is any protection from any law or patent to be inferred. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for incidental or consequential damages.
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