


**Jubiguard**

# ALL CRETE

**VERSATILE EPOXY CURE FOR ALL CIVIL NEEDS**

JUBIGUARD ALLCRETE is a two-part modified epoxy adhesive system. When combined in the recommended ratios and allowed to cure at room temperature, it forms a strong bond. It is ideal for concrete priming, epoxy grouting, creating epoxy mortars, repairing compounds, and bonding old and new concrete. Productivity can be enhanced by accelerating curing at higher temperatures between 40°C and 60°C, which is recommended for achieving optimal bond strength.



## Application Areas

- Anti-corrosive Coating for Steel Bars
- Coating of Civil Structures
- Grout
- Mortar
- Screed
- Primer
- Sealing of Cracks in Concrete Structures
- Self-levelling Floors



## Technical Details

Parameters	Results
<b>ALL CRETE RESIN</b>	
Colour Gardner Max	1
Specific Gravity @ 25 C	1.02 - 1.14
Appearance	Transparent Viscous Liquid
Viscosity at 25 C on Brook field viscometer mPas	400 -1000
<b>ALL CRETE HARDENER</b>	
Colour Gardner Max.	7
Specific Gravity @ 25 C	0.91 - 0.97
Appearance	Brown Viscous Liquid
Viscosity at 25 C on Brook field viscometer mPas	12500 - 17500


**Pack Sizes**

1.5 kg, 7.5 kg &amp; 60 kg



## Features



**Versatile Adhesion**  
Outstanding adhesion to both metal and concrete.



**Excellent Resistance**  
Resistant to oil, fuels, and various other chemicals.



**Dynamic Strength**  
Maintains high mechanical strength, even in dynamic conditions.



**Extreme Durability**  
Thermally stable, capable of performing in extreme conditions.



**Strength**  
Demonstrates both tensile and compressive strength.



**Vibration Control**  
Effective vibration damping properties.



## Shelf life



**Best before 24 months**  
in sealed pack under proper storage.

- Failure to comply with the recommended storage conditioning may result in premature deterioration of the product or packaging.



## Method of Application

### Surface Preparation



For optimal results, surface preparation is crucial. The surfaces must be thoroughly degreased using a high-quality degreasing solvent such as acetone, toluene, or trichloroethylene. Additionally, they should be abraded with coarse emery paper or chemically etched.

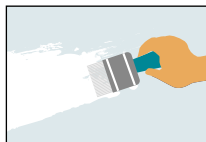
### Resin and Hardener mixing



Mix the two components thoroughly with a metal or wooden rod in a clean disposable container as per the ratios suggested below

MIXING RATIO	PARTS BY WEIGHT	PARTS BY VOLUME
ALL CRETE Resin	100	100
ALL CRETE Hardener	50	55

### Application



The mixed mass is applied by brush or spatula on the surface to be decorated. The mix must be used within its pot-life

## Curing



Normally in room temperatures curing takes place within 24 hours depending on ambient temperature. It can be accelerated by applying heat also.

### Recommended formulation and performance specifications for primer

TEST	UNIT	PRIMER
Resin All Crete	PBW	100
Hardener All Crete	PWB	50
Specific gravity	-	1.05
Coverage on concrete (150µ coat)	g/m <sup>2</sup>	250-300
Coverage on metal (150µ coat)	g/m <sup>2</sup>	200-250

### Recommended formulation and performance specifications for mortar based system

TEST	UNIT	SELF LEVELLING	SCREED
Resin All Crete	PWB	100	100
Hardener All Crete	PWB	50	50
Defoamer K-210	PWB	01-02	01-02
Quartz sand mix number 10	PWB	300-400	700-800
Specific gravity	-	1.80	2.00
Consistency of mix mass	-	Flowable	Trowelable
Compressive strength	kg/cm <sup>2</sup>	600-800	900-1000
Flexural strength	kg/cm <sup>2</sup>	400-500	300-400
Area coverage	kg/m <sup>2</sup> per mm	2.00	2.20

### Recommended formulation and performance specifications for grouting of heavy machine foundation

TEST	UNIT	SELF LEVELLING	SCREED
Resin All Crete	PWB	100	100
Hardener All Crete	PWB	50	50
Quartz sand mix number 10	PWB	400-500	800-900
Specific gravity	-	1.8	2.2
Consistency of mix mass	-	Flowable	Trowelable
Compressive strength	kg/cm <sup>2</sup>	700-800	900-1000
Flexural strength	kg/cm <sup>2</sup>	400-500	300-400
Flexural strength	kg/cm <sup>2</sup>	400-500	300-400
Area coverage	kg/m <sup>2</sup> per mm	2.00	2.20



## Precautions & Limitations

- Recommended dosage to be followed to achieve desired results.

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Version No. VN01/04/2024. Please note that this datasheet supersedes all previous versions

For Feedback/complaints, write to Product Manager, CPD, Jubilant Agri and Consumer Products Limited

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