

## POLYCRETE MICROCONCRETE

### DESCRIPTION

**Polycrete** is available in two different grades

- **Polycrete A** for high early strength where only a limited time is available for carrying out repairs.
- **Polycrete B** for normal repairs where high strength is required but time is not a constraint.

### USES

- Suitable for repairs of structural slabs, columns and beams
- Repair of structures in distress, leaky water tanks, machine foundations etc.

- Can be used for grouting, lining etc.
- Emergency repairs.

### ADVANTAGES

- In fresh state : cohesive, flowing and self levelling.
- In hardened state : non shrink, good bond, compact and dense.
- Forms good bond with old concrete.
- Provides excellent finished surface in contact with the formwork.

### PROPERTIES

Parameters	Time	Polycrete A	Polycrete B
Minimum Compressive Strength	24 hrs	40 N/mm <sup>2</sup>	-----
	3 days	45 N/mm <sup>2</sup>	20 N/mm <sup>2</sup>
	7 days	55 N/mm <sup>2</sup>	21 N/mm <sup>2</sup>
	28 days	65 N/mm <sup>2</sup>	50 N/mm <sup>2</sup>
Flexural Strength	28 days	7 N/mm <sup>2</sup>	6 N/mm <sup>2</sup>
Tensile Strength	28 days	6 N/mm <sup>2</sup>	5 N/mm <sup>2</sup>
Unrestrained Expansion		1 to 2 %	
Fresh Concrete Density		2100 –2200 kg/m <sup>3</sup>	



# SUNANDA

SPECIALITY COATINGS PVT.LTD  
AN ISO 9001:2008 COMPANY

## INSTRUCTION FOR USE

- Use 12.5% water by weight of **Polycrete**.
- Mix thoroughly in a bucket until it forms a mix of uniform and flowable consistency.
- Normally 2 to 3 minutes of mixing is adequate. The mix is ready for use.
- Mix only as much quantity as can be consumed in about twenty to thirty minutes.
- Use ice cold water in hot weather.

## CURING

- For most practical purposes, cure with water for 4 to 6 days.

## STORAGE AND SHELF LIFE

It has a shelf life of 3 months when stored in original packing in cool, dry place. Precaution to be taken during storage so as to avoid contact with water and moisture.

