

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.

PROPERTIES

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

- 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.



SUNANDA

SPECIALITY COATINGS PVT.LTD
AN ISO 9001:2000 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

- Start initial curing within 4-6 hours of placement and continue curing for the next 7 days..

STORAGE AND SHELF LIFE

- 3 months when stored in a cool & dry place; away from direct sunlight, in a original sealed packing. Precaution to be taken during storage so as to avoid contact with water & moisture



DISCLAIMER

This information is accurate and reliable to the best of the knowledge. It is meant as a guideline only. Sunanda Speciality Coatings Pvt. Ltd. (SSCPL) cannot give any guarantees under any circumstances for the results, or assume any obligation or liability in connection with the use of this information. It is recommended that the product be tested to determine its suitability for specific applications. Since, SSCPL has no control over how others may use its products; it is recommended that the Specifier, Architect, Engineer, Contractor and Owner assume all the responsibilities in connection therewith.