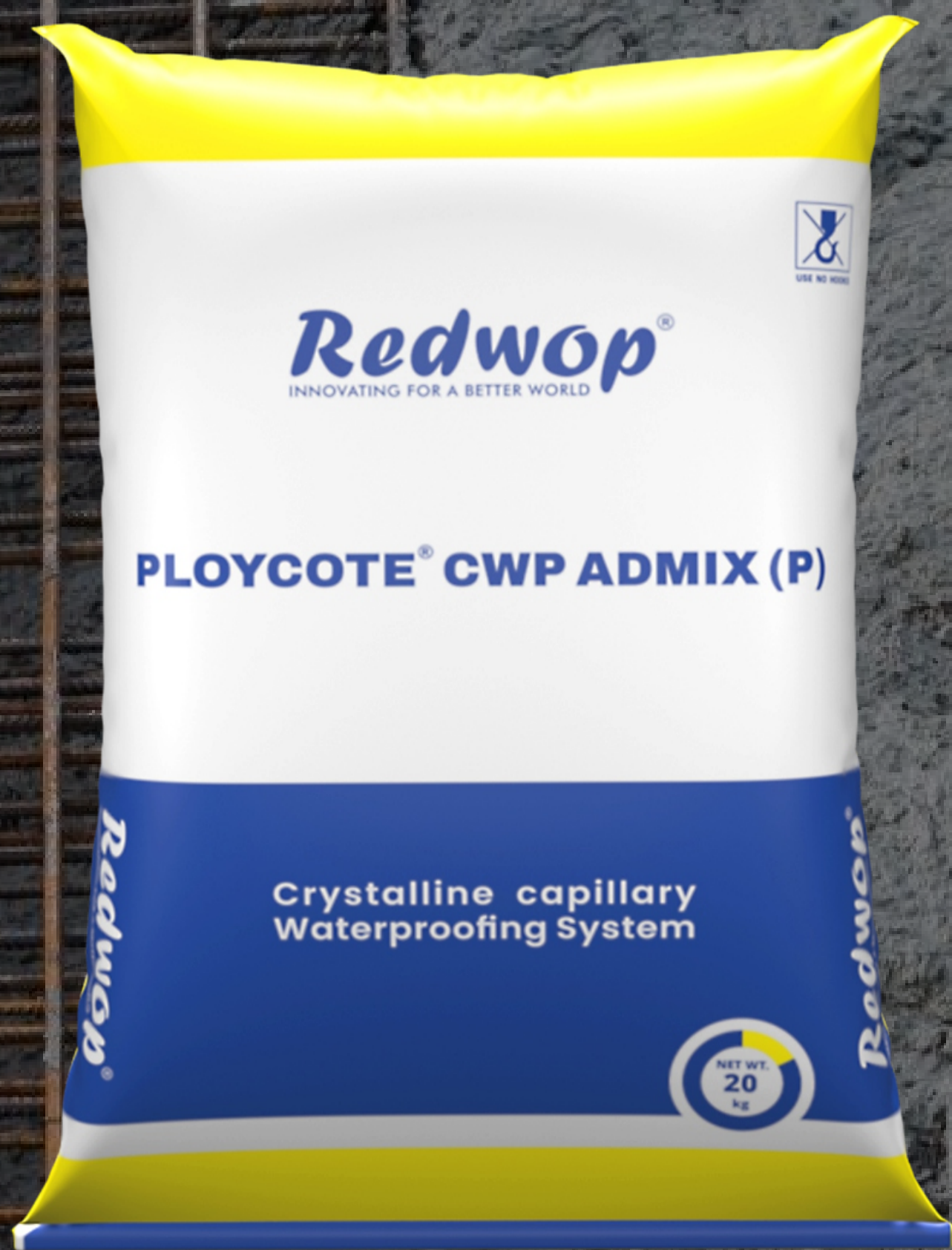


**Redwop**<sup>®</sup>  
INNOVATING FOR A BETTER WORLD

**CONCRETE ADMIXTURE**



# POLYCOTE CWP ADMIX (P)

Crystalline waterproofing admixture for concrete & mortars

## Description

**POLYCOTE CWP ADMIX (P)** crystalline waterproofing powder admixture is an integral crystalline capillary waterproofing admixture for concrete. It is designed for use in above- and below-grade applications. POLYCOTE CWP ADMIX (P) consists of Portland cement, very fine treated silica sand and various active, proprietary chemicals. These active chemicals react with the moisture in fresh concrete with the by-products of cement hydration to cause a reaction, which generates an insoluble crystalline deposit throughout the pores and capillary tracts of the concrete. Thus the concrete with POLYCOTE CWP ADMIX (P) reduces water permeability. This product also has a self-healing property under presence of moisture and can heal cracks below 0.4 mm.

## Advantages

- Reduces penetration of water and other liquids
- Can seal hairline cracks up to 0.4 mm
- Resists positive and negative side hydrostatic pressure
- Protects against sewage and industrial wastes
- Less expensive than traditional methods Added to the concrete at time of batching and therefore is not subject to climatic
- It is compatible with slag and pozzolans such as fly ash, GGBS and silica fume

## Uses

- Building Basement and foundations
- Sewage, water treatment plants, Dams, canals, Tunnels, Harbors Tunnel and subway systems
- Water reservoirs, Concrete pipes and Parking structures
- Pre-Cast, Cast-in-situ and Shotcrete applications
- Swimming pools, Retaining walls & sea defense walls

## Compliance standard

- IS 2645:2003, DIN1048 part 5

## Technical Information

PROPERTIES	RESULTS
Appearance	Grey Powder
Bulk Density in g/cm <sup>3</sup>	1.350 @25°C
Chloride content	Nil
Coefficient of Water Permeability, DIN 1048 Part 5	Reduced more than 90%
Workability	Has little or no effect on workability

## Method of Application

- As a guide, a dosage of 1kg per 100kg of cementitious content is recommended.
- Dosage up to 2kg per 100kg of cementitious content can be used in special requirements.
- Ensure water / cement ratio is less than 0.5 Addition of good superplasticizer from the procrete or Plastcone products range is advised to achieve minimum water/cement ratio.
- POLYCOTE CWP ADMIX (P) can be added in T.M. at site/plant. After adding POLYCOTE CWP ADMIX (P) into T.M. stir it for 5 minutes.
- Place concrete quickly and compact it well. Ensure complete curing with a REDICURE curing compound.
- Our crystalline admixture POLYCOTE CWP ADMIX (P) is compatible with PC & Nephtha based admixture.

## Curing

- It is strongly recommended that concrete should be properly cured.

## Recommend Dosage Range

- A Dosage range of Crystalline Admixture Polycote CWP Admix (P) is 0.8% to 1.2% of cement.

## Packaging

- POLYCOTE CWP ADMIX (P) is supplied in 20 kg bags.

## Storage

- Minimum of 12 months shelf-life if kept under room temperature (i.e. 27°C).

## For selection of admixture

- As per your project please visit our smart store in [www.redwop.net](http://www.redwop.net)

**Note:** All technical data stated in this product data sheet are based on laboratory tests. Actual measured data may vary according to trails and quality of material availability.

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