

Technical Data Sheet

NCCO WRA 300®

WATER REDUCING AGENT IN CONCRETE

Product Character

Appearance	Brown liquid
Density at 25°C	1.15 gm/cm ³
Solubility in water	Completely soluble
Odour	characteristic
pH	6-8

Product Description

NCCO WRA-300 is a high-performance liquid water-reducing admixture designed to improve the workability and consistency of concrete while reducing the water demand of the mix. It enhances concrete strength, improves cohesion, and minimizes segregation and bleeding.

The product is suitable for ready-mix concrete, precast concrete, mortar, and various cementitious applications where improved workability and reduced water-cement ratio are required.

Application

- Ready-Mix Concrete
- Precast Concrete
- Pumped Concrete
- Reinforced Concrete
- Mortars and Grouts
- Concrete Blocks and Pavers
- High-Strength Concrete
- General Construction Applications

Regulatory Compliance

- Handle with standard industrial hygiene practices.
- Avoid direct contact with eyes and skin.
- Non-flammable; water-based formulation reduces handling hazards.
- Safety Data Sheet (SDS) available on request

Key Features & Benefits

- Reduces mixing water demand.
- Improves concrete workability and flowability.
- Increases compressive strength.
- Enhances concrete durability and density.
- Reduces permeability and water absorption.
- Minimizes segregation and bleeding.
- Improves surface finish and pumpability.
- Compatible with most cement types and supplementary cementitious materials.

Shelf life & Storage

- Shelf life: **12 months** in sealed original containers.
- Store at **5 – 35 °C**, away from direct sunlight and frost.
- Keep containers tightly closed to avoid evaporation and contamination.