



STRENGTH/HARDENING ACCELERATING ADMIXTURE (PRODUCT DATA SHEET -EDITION 01/01/2020- ID-NO. NVA-01

DESCRIPTION OF PRODUCT

NVA is a non-chloride strength/hardening accelerator formulated to increase the early strength of concrete.

CHARACTERISTICS / ADVANTAGES

NVA is used as an accelerator admixture in structural and mass concrete where a controlled extension of early strength is required, such as:

- ✓ Delivers excellent results in normal and hot weather conditions, where very high early strengths are required.
- ✓ Does not contain calcium chloride or any other intentionally added chlorides and will not initiate or promote the corrosion of reinforcing steel present in the concrete. Chloride free – does not attack reinforcement
- ✓ Complies requirements of ASTM C-494 type C

CHEMICAL / PHYSICAL PROPERTIES

- Composition: Hydroxide, Carbonates compounds and melamine sulfate compounds

- ✓ **Density:** 1.20 - 1.22 Kg/L
- ✓ **Boiling Point:** 205 °C
- ✓ **PH:** 7.50 : 8.50

CONSUMPTION / DOSAGE

DOSAGE: 0.50 – 2.00 % of cement mass weight

The acceleration rate achieved is directly dependent on the dosage rate which in turn is influenced by quality of cement and aggregates, water: cement ratio and temperatures.

PACKAGING

NVA is available in 825 liter IBC tanks of net weight 1000 Kg.

SHELF LIFE

12 Months in original, unopened container.

STORAGE CONDITIONS

Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5 °C and +45 °C.

Protect from direct sunlight and frost.

APPROVALS / STANDARDS

NVA- follows the requirements of ASTM C494; Type E and EN 934-2



In many cases it is advisable to carry out trial mixes to establish the exact dosage rate required..

Rule of Thumb:

- ✓ Each degree below +20°C increases acceleration time by 1 hour
- ✓ Each degree above +20°C reduces acceleration time by half an hour
- ✓ An increase in water:cement ratio by 0.01 increases retardation time by half an hour

HEALTH / SAFETY

For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products:

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapor until the product is fully cured and dried). Treat splashes to eyes and skin immediately, if accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

CONTACT DETAILS

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