



A-40 ACCELERATOR

ACCELERATING & PLASTICIZING ADMIXTURE - NON-CHLORIDE

Specco's A-40 Accelerator is a non-chloride accelerator and water reducing admixture for concrete, that reduces the setting time of the mix, increases strength development, reduces bleeding and segregation and improves workability. **A-40 ACCELERATOR** also provides rust protection for all iron rebar. **A-40 ACCELERATOR** can be used to accelerate ready mix, mobile mix, block, precast, prestressed, lightweight concrete, mortars and grouts.

BENEFITS:

- Cost effective option versus other types of non-chloride-based accelerators.
- Reduces set times.
- Improves workability.
- Increases strength development in Portland cement mixes at crucial early stages.
- Can be used for integrally colored concrete or mortar mixes with no changes to color hue.

LEED CREDIT CONSIDERATIONS: MR Credits 5.2: Regional Materials-Greater than 20% extracted, processed and manufactured regionally at production location: Kankakee, Illinois 60901. 90%. Content- Harvested within 500 miles.

COMPOSITION: A solution of non-chloride, rust-inhibiting accelerators and superplasticizers. **A-40 ACCELERATOR** does not contain any calcium chloride or intentionally added chlorides that would initiate or promote corrosion of reinforcement steel or contribute to efflorescence.

PHYSICAL PROPERTIES at 70° F (21°C):	APPROXIMATE VALUES:
Weight per gallon:	9.50 +/- 0.50 lb./ gallon
pH:	9.50 +/- 0.50
Color:	Brown-Yellow liquid
Viscosity –Brookfield:	40 +/-10 cps

TECHNICAL DATA: *Specco A-40 Accelerator* is formulated to comply with **ASTM C-494 Type C and E** guidelines.

DOSAGE: **A-40 ACCELERATOR** is typically dosed at **16-32 oz. per 100 lbs. of cement (1040-2080 ml/100 kg) for most applications.** The dosage can be increased as needed to accelerate the setting time and both early and ultimate strength gain, or if colder application temperatures are present. Specco recommends a field test or trial mix be run to determine the optimum dosage needed for set time and rate of strength gain requirements. The dosage will vary with jobsite temperatures and air movement, concrete temperature and mass; mix design components or other admixtures, as well as heat, insulation, or windbreak protective measures used.

DIRECTIONS FOR USE. **A-40 Accelerator must be added to the batch water and aggregates. Do not add A-40 ACCELERATOR to dry cement.** **A-40 Accelerator** contains a high range water reducer that reduces water requirements approximately 5% to 7%. When used to protect concrete from freezing, dosage will vary with different types of cement and ambient temperatures.

CAUTIONS: For temperatures below 32° F (0° C) use warm water and heated aggregates to keep the concrete temperature above 60° F (16°C) if possible. **Refer to ACI 306.1 report “Standard Specification for Cold Weather Concreting” for recommended protection methods of concrete placement in sub-freezing temperatures.** Keep mortar from freezing until a minimum of 1,000psi (7 Mpa) is achieved. Do not use severely frozen aggregates, block or bricks.





CAUTIONS: In extremely cold weather, provide heated enclosures. Do not exceed 90° F at any time. **A-40 Accelerator** will freeze at 15° F but may be completely restored by thawing at room temperature and thoroughly mechanically agitating. Do not use pressurized air for mixing or agitation. **A-40 Accelerator** should be stirred before using if the material has set for an extended period (3-6 months).

GHS HAZARD RATINGS: WARNING:



IRRITANT: SKIN IRRITATION.

FIRST AID: Refer to product SDS (Safety Data Sheet) for complete health and safety information before using this product. FOR MEDICAL EMERGENCIES ONLY – CALL INFOTRAC AT 800-535-5053.

WARNINGS & SAFETY INFORMATION: **A-40 Accelerator** is designed for use by qualified professional contractors and trained applicators. Although it is non-corrosive to skin, avoid prolonged skin contact. Wash skin with soap and water if exposed to avoid irritation. Wear splash resistant eye protection and impervious gloves when handling. There are no fumes associated with **A-40 Accelerator** when applied manually by high volume, low pressure or pump up sprayers. Keep containers closed. Avoid ingestion, skin and eye contact and inhalation of the spray mist. Keep away from food and drink. Wash hands thoroughly after use and before eating. **DO NOT TAKE INTERNALLY. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.**

H.M.I.S. CODES:

HEALTH = 1, FLAMMABILITY = 0, REACTIVITY = 0, PERSONAL PROTECTION = C (GLOVES, GOGGLES, APRON)

SHIPPING NAME: Concrete Admixture - Water base - Not regulated.

SHIPPING CLASS: ITEM 33880, SUB 2, Freight Class 55.

STORAGE: Ideal storage is between 60° F to 80° F **SHELF LIFE:** 1 year properly stored.

PACKAGING: 1 Gallon (3.78 L), 5 Gallon (18.9 L), 55 Gallon (208 L), 265 Gallon (1000 L) containers.

WARRANTY: Specco Industries Inc (Specco) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Specco, no other representations or statements made by Specco or its representatives, in writing or orally, shall alter this warranty. **SPECCO MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME.** If any Specco product fails to conform with this warranty, Specco will replace the product at no cost to Buyer. **Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages.** Specco does not authorize anyone on its behalf to make any written or oral statements which in any way alter Specco's installation information or instructions in its product literature or on its packaging labels. **Specco explicitly excludes any written or oral statements or implied warranty on the performance of an applied/installed product manufactured or sold by or through Specco. Specco has no control over Specco application standards adherence, site conditions, atmospheric variations, installer/applicator skill level or the determination of the suitability of any Specco products for a specific intended purpose. Buyer shall be solely responsible for determining the suitability of Specco's products for the Buyer's intended purposes.** Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind.

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