

Dry D1 | NG

SHRINKAGE COMPENSATING ADMIX

C E USA

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Concrete Chemical Technology

Practical safety recommendations for the handling, transport and storage of the shrinkage compensating admix DRY D1 NG

1) Material reception and storage

The material is shipped on pallets with 160 bags of 15 Kg (33 pounds) each (2.400 Kg / 5,280 pounds), which are covered with plastic liner and stretch film. The used bags are made of water-soluble paper. This packaging offers multiple advantages associated with the care and preservation of the environment, and the possibility of minimizing the personal contact with the product in the job site. But, at the same time, we must take all possible precautions to avoid the contact of moisture with the bags, as they become more fragile and can break or deteriorate easily and quickly. Given this, we **MUST** consider that the bags "ALWAYS" have to be kept on the pallets closed with the provided liner and film or another that is placed as reinforcement.

If for any reason this covering film is damaged, the pallet must be reconditioned with new film of the same characteristics, trying to avoid the movement of the bags (do it on the same pallet).

It is not recommended to stack one pallet over another, to take care of the integrity of the bags.

The storage site must be covered and away from any source of humidity and / or possible presence of water. The temperature of the place should not exceed 40° C (104 °F), to avoid deterioration of the package. If it possible, the place should have some ventilation.

In the event of presence of broken and / or open bags, it is advisable to separate them for non-use, thus avoiding using material that is probably hydrated and, on the other hand, minimizing the dispersion of the powder. Prepare a plastic container to place the broken or open bags, waiting for their deactivation and subsequent final disposal.

2) Product handling

Personal protection equipment (PPE):

It is recommended:

- Use goggles with indirect ventilation and exudation band, or full-face protection masks
- Particulate respirator with good powder protection (N95)
- Rubber or leather gloves with long covering.
- Work clothes that cover as much of the body (skin) as possible.
- Safety shoes
- Have skin moisturizers creams available

The staff must be trained in relation to the product to be handled, its characteristics and risks.

Ideally, there should be no physical contact between people and the product.

If the use of this product is sporadic, generate a training sheet with assistance and keep a record of the personnel who are trained and who are not. Do a brief verbal review with the personnel before starting the operation.

3) Material transportation

In case of material transportation, the ideal is to do it on the same pallets provided by the supplier. Check that there are no broken bags and that the integrity of the packaging is correct. Remember that pallets must always remain tightly closed with liner and stretch film.

If it is necessary to recondition the bags, the staff must have all the recommended safety protection equipment for their handling. Place the bags on a new pallet and close with stretch film.

If bags are removed from a pallet, then it must be covered with plastic film to avoid hydration and dispersion of the powder.