

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 80 bags of 33 pounds (15 Kg) each (1.200 Kg / 2,640 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, in order to preserve 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 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) Usage Instructions for Concrete

- DRY D1 NG should not be added to the concrete mixture along with the aggregate. Better not to be added directly to the ready-mix concrete truck after the concrete is loaded, if you have no other choice contact Chimica Edile before using the product.
- DRY D1 NG is suitable for both drum mixed and central batched concrete applications. Add bags of DRY D1 NG into the mixer immediately before loading materials. This facilitates proper moistening of the bags by water and ensures effective dispersion through the grinding action of coarse aggregates.
- Mix concrete containing DRY D1 NG for a minimum of 10 minutes at the maximum mixing speed, post-batching of all concrete constituents, to ensure thorough material dispersion.
- Concrete treated with DRY D1 NG can be finished and placed using conventional methods.
- The recommended dosage range between 2.5 and 3.5% of the cement dosage (bwoc). or 16 - 33 lbs / yd³ on cementitious material. Prior to application, conduct tests following ACI 223 / ASTM 157 modified guidelines to determine the appropriate dosage.
- Always prioritize operator safety when handling DRY D1 NG.


4) 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 not compromised. 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 the 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.

5) Product Label

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| STORAGE: keep the product in a covered dry place, minimize contact with air | |
|  | H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation. |
| Warning: DANGER | |
| P102 Keep out of reach of children. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305 + P351 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Immediately call a POISON CENTER or doctor/physician. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P501 Dispose of contents/container to a hazardous waste disposal center. | |
| STORE IN A DRY PLACE AND WITH THE RELATIVE PROTECTIONS IN INTACT PLASTICS, IN ORDER TO PROTECT THE WATER-SOLUBLE BAGS FROM CONTACT WITH AIR.THE CONTENT SERVES AS AN ANTI-RETRACTION, STABILIZING, EXPANSIVE AND WATERPROOFING AGENT FOR CONCRETE AND MORTARS PRECAUTIONS X R41 –S26 RISK OF SERIOUS EYE INJURIES. IN CASE OF CONTACT, WASH WITH PLENTY OF WATER AND CONSULT THE DOCTOR. WEAR SAFETY GLASSES AND GLOVES. DO NOT INHALE DUST | |
| IMPORTANT WARNING | |
| ALWAYS KEEP THE PLASTIC BAG CLOSED WHEN THE DRY® IS NOT USED | |

Disclaimer

Any use and handling of the product in any different way from what listed above is not recommended and Chimica Edile USA Corp. will take no responsibility for. In the case of any further clarification needed or impossibility of following the guidelines, please contact Chimica Edile before using the product. If issues arise and the Buyer failed to contact us, Chimica Edile will take no responsibility.

Warranty

Chimica Edile USA Corporation warrants this product to be free from manufacturing defects, for one (1) year from the date of purchase. Unless authorized in writing by an officer of Chimica Edile, no other representations or statements made by Chimica Edile or its representatives, in writing or orally, shall alter this warranty. Satisfactory results depend not only on quality products but also upon many factors beyond our control. CHIMICA EDILE USA CORPORATION MAKES NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ITS PRODUCT. If DRY D1 NG fails to conform with this warranty, Chimica Edile will replace the product at no cost to Buyer. Replacement of product shall be the sole and exclusive remedy available and the buyer shall have no claim FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR PUNITIVE DAMAGES OF ANY KIND. Purchaser must determine the suitability of the products for the intended use and assumes all risks and liabilities in connection therewith. Any warranty claim must be made within one (1) year from the date of purchase.