

Recommended storage of Höganäs powders and mixes

Höganäs can provide powders in various quantities and packages, depending on the ordered lot size and apparent density of the powder. Packaging used is adapted to ensure a safe storage and handling of the powder. Packages are ranging from flexible bulk containers (Flexbag, Bigbag or similar), metallic drums and tins, plastic bottles or cans / buckets in cardboard boxes.

Storage

- » Material should be stored indoors at all times under clean and dry conditions and as delivered – sealed and closed.
- » To be protected against exposure to water and other liquids, the material should be placed on a pallet when stored on the ground. In addition, store the packages away from the walls to avoid contact with condensation. If the material is supplied with a pallet, do not remove it.
- » If storage area is limited, it may be necessary to stack the material. The customer should be sure of stability before doing so.
- » In case of flexible bulk containers, we recommend placing pallets on the floor before stacking. Never stack palletized flexible bulk containers on top of each other as this can cause damage to them and the outer wrapping.
- » Pallets with cardboard boxes should not be stacked during storage.

Precautionary measures

- » Avoid exposure to sunlight for all type of packages.
- » No large and rapid temperature changes should occur during storage as this will cause humidity inside the packaging, even when it is sealed. The recommended storage temperature range is between 15°C and 25°C. If the material arrives at low temperature due to transportation, then it should be brought up to room temperature before using. Make sure that all material in the package has reached room temperature before usage.
- » For material containing additives, it is important to store it at an even temperature between 15°C and 25°C. Elevated temperature should be avoided since it may cause degradation of properties in mixes.
- » When loading or unloading material, it is important that this is done on a level and even ground. This is important to minimize vibration in order to avoid segregation occur and minimize material movement within packaging and to minimize vibration in order to avoid segregation occur.
- » For standard iron powder, the recommended maximum storage times at a relative humidity (RH) <60% is 6, 3 and 2 months if the temperature is 20-25°C, 30°C and 40°C respectively.
- » When recommended maximum storage time has passed, the material should be tested to check if any agglomerates, color changes or other changes have occurred. At RH exceeding 60%, the storage time will be shorter.