

PRODUCT DESCRIPTION

K100GC is a diisocyanate diphenylmethane (MDI) based composition, developed for use specifically for in ground consolidation and dust suppression applications.

Appearance: Clear Golden Brown Liquid

Specific Gravity: 1.16

Viscosity, cps: @ 25 deg c" 20-50

Packaging: IBC (1,100kg)

APPLICATION RATES

The application rate can be up to 6kg/m². This will be dependent on the type and porosity of the substrate. The application rate will also vary depending on whether the expected traffic is pedestrian or heavy vehicles.

SUBSTRATE PREPARATION

The substrate should be compacted so that a smooth surface is achieved. This can be performed using a vibrating roller or compactor. Any objects that can't be compacted to provide a smooth surface should be removed before K100GC is applied.

To achieve sufficient penetration of K100GC the substrate should be damp. This can be achieved by spraying the substrate with up to 6L/m² of water directly before the binder is applied, depending on the substrate.

Excessive water could cause pooling on the surface, if this occurs wait until the water soaks into the substrate before applying the binder.

APPLICATION

K100GC can be applied using airless or conventional spray equipment or a spreader bar to achieve an even distribution. In order to achieve optimal penetration, apply K100GC to a damp substrate. K100GC can also be applied by pouring onto the substrate, however this method can be less even in distribution. Avoid allowing K100GC to pool as this could produce unwanted foaming on the surface.



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EQUIPMENT

Several types of equipment can be used to apply K100GC. A Graco type airless spray with a 30:1 pump ratio is a suitable option for spraying, or a conventional pressure pot sprayer. Recommended pressures are between 1000 – 2000 psi utilizing an extended ground facing arc sprayer.

Spreader bars are a great option for large areas. The spreader bar can be fitted to the back of a truck and the K100GC can be used out of a 1000L IBC and delivered to the spreader bar via a diaphragm pump.

CLEANUP

Hoses / Equipment

It is recommended that the equipment be cleaned after each use using a solvent such as MEK. If the hoses are not going to be used for several days they should be flushed with a solvent (MEK) and stored using CREST PU Purge. MDI left in the hoses for greater than 3 days can start to crystallize and block the hoses/equipment. Spray guns, tools and nozzles can be soaked in NMP. Note: NMP (powerful solvent with low volatility) will cause rubber to swell, so only use for metallic parts.

UNUSED MATERIAL

Unused material that is not contaminated or exposed to moisture can be sealed in the original containers. Ensure the threads are coated with petroleum jelly so that the containers can be opened for later applications. Partially used containers should ideally be purged with Nitrogen to assist with storage stability.

STORAGE & HANDLING

Containers of K100GC should be kept properly closed and stored indoors in a well ventilated area under normal warehouse conditions. Storage at room temp (20-30 deg c) provides a convenient viscosity for handling. Storage at low temps (below 5 deg c) is not recommended because it may lead to some crystallization.

During storage K100GC must be protected from moisture ingress and atmospheric moisture.

Under the recommended storage conditions and in properly sealed containers, K100GC has a storage life of 12 months.

Important Notice

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