

VITALINE H2K 2K HYBRID PAVEMENT MARKING MATERIAL

DESCRIPTION

H2K is a two-component acrylic/epoxy Hybrid Pavement Marking Material, based on the latest Dow Chemical Company resin technology. Field tests have shown that a transverse pavement marking based on the Dow resins retained 70% the marking after 11 million vehicle passes.

TRANSPORTATION AND HANDLING

H2K Part A and Part B are not classified as dangerous goods for Transportation of Dangerous Goods by Rail or Road (ADG Code). H2K Part A and Part B can be transported and stored together.

PHYSICAL PROPERTIES H2K WHEN MIXED PART A AND PART B

Mixing Ratio	Part A : Part B 11.1 : 1 by weight Part A : Part B 6.6 : 1 by volume
Colours	A range of colours including White, Yellow, Green, Blue, Red & Black
Density	1.65-1.69
Gloss	Matt
Mixed Viscosity	85-95 KU @ 25°C
Curing timing	15 minutes @50% RH and 25°C
Coverage / film build	1.33 sqm/l @ 750 micron wet film build

APPLICATION CONDITIONS

The road surface to be painted should be clean and dry and free from any grease and oil. An adhesion check should be carried out if there is a potential problem in painting a previously coated pavement surface. Air and pavement surface should be above 10°C and 3°C above the dew point. H2K applied at 20 °C and 52 % relative humidity, typically has a touch dry time of 15 minutes and a dry through time of 2 to 2.5 hours.

APPLICATION

H2K Hybrid Pavement Making Material is supplied in a two component (Part A and Part B) pack that makes 13.8 litres.

Part B is added to Part A and mixed for a few minutes to achieve a homogeneous mix. The mixed H2K is then ready for application by air assisted, airless, brush or roller.

The recommended wet film build is 650 microns. The film build may have to be adjusted to accommodate the dimensions of the non-skid aggregate or for spherical beads to achieve skid resistance or optimum retroreflectivity.

With most spray equipment by varying the tip size, pump pressure, and application speed the desired line width and paint film build can be achieved

The mixed H2K should be used within 12 hours, preferably less. The viscosity of the mixed H2K increases over time and this can result in changes in spraying behaviour if left too long.

CLEAN UP

Mixed H2K should not be left in spray equipment overnight.

Flush out the mixed H2K with water. Clean-up is accomplished with clean or soapy water. Dry paint can be softened with hot water to aid removal.

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