

Cationic Emulsions For Road Construction & Maintenance

INTRODUCTION

BITUMAT cationic emulsions are made using the latest available technology, the most efficient equipment and are used for a variety of road applications including new road construction, maintenance of roads and pavements. This range of cationic emulsions is specially designed and formulated to British Standard BS: 434. It also conforms to ASTM D 2397.

SPECIAL FEATURES

- Non-flammable
- Non-hazardous
- Environment friendly
- Non-toxic and odour free
- Easy to apply in cold & damp conditions

DESCRIPTION

BITUMAT range of cationic emulsions are:

K1- 40: This is primarily a rapid setting (CRS) emulsion with a low solid content and is widely used as a tack coat. It also aids concrete curing and soil stabilisation by preventing the moisture from escaping from the substrate.

K1- 60: This is mainly a rapid setting (CRS) emulsion with medium solid content and generally used for patching, grouting, sub-base, surface dressing and sealing.

K1-70: is also a rapid setting (CRS-1) emulsion but with a high solids content. The usage is similar to the above type, K1-60.

K-3: This is a highly stable emulsion (CSS) having a high solid content and mainly used for slurry sealing and coated stone applications.

K-2: is a medium setting (CMS-1H) emulsion with medium solid content and mainly used for coated stone applications.

USAGE & APPLICATION

Due to the usage of a wide variety of road laying equipment and different mix designs, we strongly recommend the concerned road engineer or enduser, after assessing the typical properties of the different cationic emulsions, to consult with the BITUMAT technical department to specify the right product.

STORAGE & TRANSPORTATION

Cationic emulsions are liable to 'break' on contact with negatively charged materials, on evaporation and on heating and freezing. It is therefore advisable to store and transport emulsions in clean containers at temperatures above 5 °C and below 50 °C.

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The typical properties of BITUMAT Cationic Emulsions are as stated below:

Property	K 170 (CRS-1)	K 160 (CRS)	K 140 (CRS)	K3 (CSS)	K2 (CMH- 1H)	Test Method
Particle Charge	Positive	Positive	Positive	Positive	Positive	BS : 434
Setting Rate	Rapid	Rapid	Rapid	Slow	Medium
Binder Content (minimum), %	67	57	38	56	60	BS : 434

The information given in this Technical Data Sheet reflects typical median properties based on laboratory test, and practical experience; subject to the tolerance levels of UEAtc directives. However, as the product is often used under conditions beyond our control, we can't warrant but the product itself.