

GENERAL

This specification governs the UPM High Performance Patching Material. This bituminous patching material shall be composed of an approved aggregate and plant mixed with UPM Liquid Asphalt Blend under the guidance of trained Unique Paving Materials Representatives. The UPM Liquid Asphalt Blend shall not strip from the approved aggregate and shall be available in various grades which yield a total ambient temperature workability range of -15°F (-26°C) to 100°F (38°C). The UPM Cold Mix will also be effective and suitable for wet or dry weather conditions. The patching mixture must also exhibit excellent coating, workability and adhesion characteristics. Stockpiles of UPM Cold Mix of 100 tons or more must maintain all performance features for at least 12 months. See the UPM High-Performance Guarantee.

PREPARATION OF MIXTURE

" The mixture must be stored on a paved stockpile pad or an established material base of UPM. The pad or material base shall be solely committed to this product.

" The asphalt shall be heated to a temperature between 185° - 265°F (85° - 130° C).

" The mixture shall consist of an aggregate and asphalt combined in a pug mill in the following proportions:

Asphalt 5.0 to 6.5%

Aggregate 95.0 to 93.5%

" Heat should be applied to the aggregate when determined as necessary by Unique Paving Materials' laboratory testing prior to production of the mixture or by a technical representative of Unique Paving Materials.

" Under any of the above conditions the minimum amount of heat necessary to obtain coating or facilitate the operation of the plant may be utilized not to exceed under any circumstance 175 F (80 C).

" When producing in a batch plant, wet mix time in the pug mill should be typically in the range of 30 to 45 seconds or until the aggregate is uniformly coated (greater than 95%) ASTM D 2489.

UPM COLD MIX

The UPM Cold Mix shall meet the following requirements.

Coating ASTM D 2489 Above 95%

Shelf Life of 100 Tons or More One Year Minimum

Extraction of Bituminous Materials ASTM D 2172 3.5 min. 9.0% Maximum

Sieve Analysis of Extracted Aggregate ASTM C 136 See Aggregate Specification

Minus 200 (0.075 mm) of Extracted Aggregate ASTM C 117 &

ASTM C 136 4.0% Maximum¹

Note 1 This value shall not be confused with the 2.5% maximum allowed for the Minus 200 Wash (0.075mm) Loss on the raw aggregate before the production of UPM. That value is necessary to minimize the effect of the plant when producing the finished UPM Cold Mix.