

BituForce: getting more out of bitumen emulsion stabilization

- It works with a variety of material sources; from sands for low volume roads, natural gravel for medium volume roads, crushed stone & reclaimed asphalt for high volume.
- It adds stiffness into the pavement structure from the base course down, often meaning faster construction.
- It can often use the materials that are in-situ, meaning less materials transport (especially in urban areas where traffic delays are problematic)
- Can be easier for contractors to build than other good base materials
- Good combination of strength, flexibility and water resistance makes for an excellent base course.
- it uses no cement, which allows for early trafficking of the roads (e.g. build Friday, prime and seal on Sunday, open to traffic on Monday).
- SAPEM 2013 and Agrement created regulatory framework to allow use. Manuals are available for design and quality control.
- Can be used in roads from 0.3MESA to over 30MESA (has carried over 50MESA in practice) (MESA = Million Equivalent Standard Axles)
- It is cold applied and is the same hazard class as standard bitumen emulsion

