

We attended the 2017 Low Volume Roads Workshop and were very impressed with the high quality information and the speakers present.

We found it confirmed our own recent trials and results that we have done in NZ with hybrid mixes of Magnesium Chloride, Calcium Chloride, and lignosulphonates.

David Jones mentioned the hygroscopic properties of Magnesium Chloride lead to leaching in wet areas – which we have been able to witness. David confirmed the mixing of the lignin and Magnesium Chloride would help bind the MgCl and keep it on the surface.

Our trials over the last few years have led to the development of the three new or enhanced dust control products described below:

- STABIL-X – Designed for subdivision and site development dust control.
- COMPACT-X for road repairs and construction. Speeds up the compaction process and keeps a tight surface. Allows particles to bind together tighter to help expel water and reduce voids thus lifting Clegg levels more rapidly and reducing fugitive dust on site. As a dust suppressant it dries out after about 3 weeks but rejuvenates with moisture. Ideal for holding a prepped surface for up to 3 weeks before sealing even in inclement weather and traffic movement.
- ROAD-X for unsealed roads. Developed from Compact-X to increase the hygroscopic properties for dust control on unsealed roads and yards. Contains Magnesium Chloride and uses Lignosulphonate to minimise the leaching and to increase the endurance of the road surface in wet conditions. Formulated to be more efficient and environmentally friendly than just Magnesium Chloride. This allows the application rates to be from as low as 400ml/m<sup>2</sup> as an alternative to 2litre/m<sup>2</sup> of magnesium chloride alone. As every district is unique, proportions can be varied to suit the climate.

These products have been particularly formulated to reduce maintenance and re-gravelling costs by optimising fines retention and enhancing the endurance of unpaved surfaces.

We are keen to work with you to get the maximum out of your un paved assets - so please get in contact with us for prices and more in-depth information on these products including SDS sheets etc.- [andrew.a@4s.co.nz](mailto:andrew.a@4s.co.nz)

Kind regards,

**Andrew Amies**  
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