



SAMI SOLUTIONS

POLYSEAL

Willoughby/Hornsby Councils



Polyseal Solution No. 2

Sami PolySeal Process: "Like a raincoat over the road"



The PolySeal Process produces superior stone retention which allows sweeping on completion of rolling, minimising loose stone issues.

This is how Willoughby Council Works Manager Paul Collins summed up the unique properties of SAMI's PolySeal process.

"Even though it's not the same ride comfort as, say, asphalt, Council is able to treat 250 roads as opposed to 30 - it's purely economics. Asphalt is not a waterproof barrier. It certainly resists water, but the biggest problem with pavements failing is water getting in. PolySeal is waterproof - like a sheet of plastic or a raincoat over the road".

Mr. Collins added: "We haven't used the ' loose-stone -rolled-on-spray process' for

several years because it was brooming". generally an unpopular treatment and we



didn't think it would be successful in Willoughby.

Our biggest concern was that the bitumen would be picked up by the loose stones and carried onto driveways and into houses. In the SAMI PolySeal process, the loose aggregate is immediately removed by suction

The Council also noted the lack of bleeding through the stones which, in all cases, have held firmly, maintaining a consistent 2-3mm skid resistant surface.

"Traffic was on it almost immediately", commented Mr. Collins. "The SAMI team does everything, right through to final sweeping, and the whole process required only one supervisor from Council. I haven't had any complaints or had to go back and look at anything yet. It's a pleasure dealing with the SAMI team".

His final comments about the results: "PolySeal is



PolySeal is easily applied in a conventional

PolySeal's superior adhesion and toughness is evident.

the best spray seal I have seen and we are planning to do the same amount of work with it this year as we did the last".

Willoughby Council also uses SAMI's HIPAR, Reclamite and Crack Routed Sealing process.

Hornsby Council Sees Big Improvement

"We conducted a trial run of SAMI's PolySeal in January this year, applying some 16,000 square metres with 7mm aggregates and, frankly, we have achieved a far superior stone retention result than with the product we used previously and no where near the loose stones six months later".

Hornsby Council's Works Manager Greg Wright added: "PolySeal

is much stiffer, hence will not bleed. You pay a small premium to add this polymer product to the bitumen, allowing you to use 3 0% more binder on the road. You are using more bitumen but you are getting the advantage of far fewer complaints as well as a longer lasting seal because it's not stripping since there's more bitumen to better hold down the stones".

"With SAMI's PolySeal there's always 2-3mm of stone protruding above the bitumen", said Mr. Wright.

"We've used other SAMI processes, including HIPAR and Crack Routing and Sealing, since 1995. We recommend them highly".

No Complaints At Wyong

Wyong Council's

Works Manager Adrian Pitcher used SAMI's PolySeal, for the first time, on ten streets during six months this year and is delighted with the results: "in the past we have had lots of problems with loss of aggregate and stripping of conventional bitumen seals. And we normally get complaints from people who have carried bitumised stone into their homes. But six months after using PolySeal-no complaints".

"PolySeal has proven superior, especially on corners and in other high stress areas. There's minimal interruption to traffic, which can return quickly - straight after the initial sweep".

This case study was prepared with the kind assistance of the Hornsby, Wyong and Willoughby Councils.



For further information on any of the products featured in this Case Study or any of SAMI's other specialist road maintenance products and services, please contact:

SAMI Pty Limited A.C.N. 001 089 416
 12 Grand Avenue, Camellia, NSW 2142
 Telephone (02) 9638 0110. Facsimile (02) 9638 4090.

