

CASE STUDY

PHF – COLDMIX POTHOLE FILL SHOPPING CENTRE CAR PARK ENTRANCE RUAKAKA, NZ



PRODUCT	PHF – COLDMIX POTHOLE FILL
ENGINEER	NOT REQUIRED
CLIENT	WAYNE HENARE – BIG TOMATO
CONTRACTOR	GRAVEL LOCK LTD, NZ
LOCATION	RUAKAKA, NORTHLAND, NEW ZEALAND

WHERE SCIENCE



MEETS THE EARTH

PROJECT- 2018

This busy entrance/exit way of a shopping complex was experiencing reoccurring potholes. Traditional pothole fill was not lasting and falling out within weeks of being installed. Gravel Lock undertook works with the Owner of Big Tomato Complex to install PHF to the existing potholes in the entrance way. This busy shopping centre experiences hundreds of car movements each day pulling in from an arterial thoroughfare which was becoming dangerous for the customers.

DESIGN AND APPLICATION

- Clean the hole of any debris and remove any loose pieces around the hole (and if possible give yourself a vertical edge around the hole for the PHF Cold Mix to butt up against - it lengthens the life of the repair) Fill the hole with PHF Cold Mix (make middle slightly higher than the sides (this is called crowning)
- Depending on the size of the repair give yourself a 5-10mm crown - this counteracts the subsidence caused by compacting
- Compact a compactor is recommended for larger holes or timber post for ramming can be used on smaller holes very effectively
- Driving back and forth over the crowned PHF Cold Mix in a vehicle will provide sufficient compaction in most pot holes

BENEFITS TO THE PROJECT:

- Potholes were fixed instantly
- Road users for this busy shopping complex have a safer driving experience when entering or exiting the site
- Easy to repair with basic equipment – spade, broom and car tyre.
- Cheap and convenient to manufacture, store and use for pothole and road repair.
- Potholes are still solid after 2 years.



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