

Retread is a cold in-situ road recycling process



## Retread Carriageway, Wiltshire

Retread is a cold in-situ road recycling process. We have been operating this process for over 40 years for both carriageways and footways and have highly experienced teams working across the UK using specifically adapted plant and equipment. The process is versatile in its application and the benefits of it being an in-situ process means access and movements to and from the site are significantly reduced.



### Application Details

Wiltshire County Council expressed its full satisfaction over the Retread works carried out on several roads in the northern and western area, which Colas carried out on behalf of Ringway. The scheme comprised mainly country lanes that showed deterioration with big pot holes making it hazardous for motorists to use. The council recognised the advantage of Retread in favour of filling potholes and resurfacing as the "Best Value". This comes with the benefits of improving their sustainable records as Retread is known for its

huge environmental advantages. Residents and motorists appreciated being able to use the road as construction had been carried out in a short period of time resulting in zero complaints. This also shows the professionalism of Colas when carrying out such contracts. Following the successful completion of this project, it was announced that a scheme of Retread works is very likely to follow.

Client: Ringway

Date: September - October 2008

Area: 31,185m<sup>2</sup>

Duration: 24 days

Location: Wiltshire



## Total energy consumption and greenhouse gas emissions

### Total energy consumption, MJ/m<sup>2</sup>

Structure	Binder	Aggregates	Manufacture	Transport	Laying	Retread Equipment	Total	Saving
Retread	24.0	1.6		1.5	2.9	16.4	46.4	
Conventional	39	10	44.8	11.6	6.9		112.3	58.6% 2,055,091 MJ

**58.6%** total energy saved using Retread

### GHG emission in equivalent CO<sub>2</sub>, kg/m<sup>2</sup>

Structure	Binder	Aggregates	Manufacture	Transport	Laying	Retread Equipment	Total	Saving
Retread	1.30	0.06		0.12	0.23	1.23	2.93	
Conventional	2.29	0.36	3.45	0.93	0.5		7.56	61.2% 144,387 kg

**144,387 kg** total saved using Retread

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