

TECHNICAL DATA SHEET



DEFRA CHEWING GUM CAMPAIGN



Bedford Borough Council was looking for a sealer to prevent sand loss from slab footways due to the effects of continuous mechanical sweeping, and to simultaneously reduce the adhesion of Chewing Gum.

QSS were approached to supply and apply a sealant, so as to stabilise the joints and to test the sealant's apparent added benefit of reducing the adhesion of chewing gum.

History

Initial trials of this sealant took place in Midland Road, Bedford in 1992 on circa 400m² of Red Block Paving that was for several years a Town Centre bus route. The joint stabilisation had outperformed the expected 7 year life. It had become evident that this sealed area had a chewing Gum population significantly less than adjacent unsealed paving

Application results of anti chewing gum coatings within Bedford Borough.

Mr M Hathaway, Senior Street Care Officer, Bedford Borough Council and Mr C Browne, Managing Director, Quality Surface Solutions Ltd (QSS), jointly carried out "before & after" gum population counts (spots/m²). On each of the "count dates" at 13 months apart (12 months after treatment) the highest count per m² was selected.

Location (Midland Road)	13.2.06	9.3.07
1. MVC Music	29	15
2. Subway Café	24	10
3. New Look	64	14
4. H Samuel	21	12
5. Bon Marche	29	12
6. M&S (small entrance)	36	9
7. Clifton Cards	24	13
8. Opposite Card Fair by (raised planter)	36	24
9. JJB	40	14
Total	303	123

Evidence proves a 59.5% reduction of gum per m2 after 13 months.

The balance of remaining gum is removable 50% faster with reduced residual staining.

History of coating applications by QSS

Location	Date	Size (m ²)
High Street	15.1.03	25
Lime Street	20.2.03	60
Linden Road	15.3.04	232
Embankment	1.6.04	320
Silver Street	4.6.04	60
Avon Drive Shops	3.8.05	316
St Paul's Square	3.8.05	172
Midland Road	6.2.06	3,000
Town Centre	19.4.06	8,000
Mayes Yard	25.1.07	112
Total	303	12,297