

Welcome

A presentation from Phil Sutton and
Steve Weston



INTRODUCTION

- Econpro Limited – The Research and Development arm of the The Durakerb Group which is market leader in the manufacture and supply of recycled polymer kerbing systems to the UK and Irelands highways sector.
- Econpro Limited primary operations are the Development of Environmental Construction Products from Waste / Recycled material sources.
- To develop new products to “proof of concept” adhering to relevant Industry Standards and interface with market leaders within the concept field.



Asphalt made using Waste

- Still a huge interest in Sustainable building products.
- Asphalt is currently made with mined aggregate, having significant eco impact and `oil derived` bitumen which is a finite resource.
- There is excess mixed colour glass cullet in UK because kerbside collection is increasing much faster than corresponding markets.
- Bitumen backed tiles outnumber PVC backed tiles by 3:1.
- Bitumen tiles currently a few go for fuel – most land filled [50 kt]
- Aggregate must comply with British Standard, this can be achieved with blended mixed cullet.
- **WRAP** [Waste Resource Action Planning] backing for the project !



BS 4987 : 2005 Pt 1 ;TABLE 26

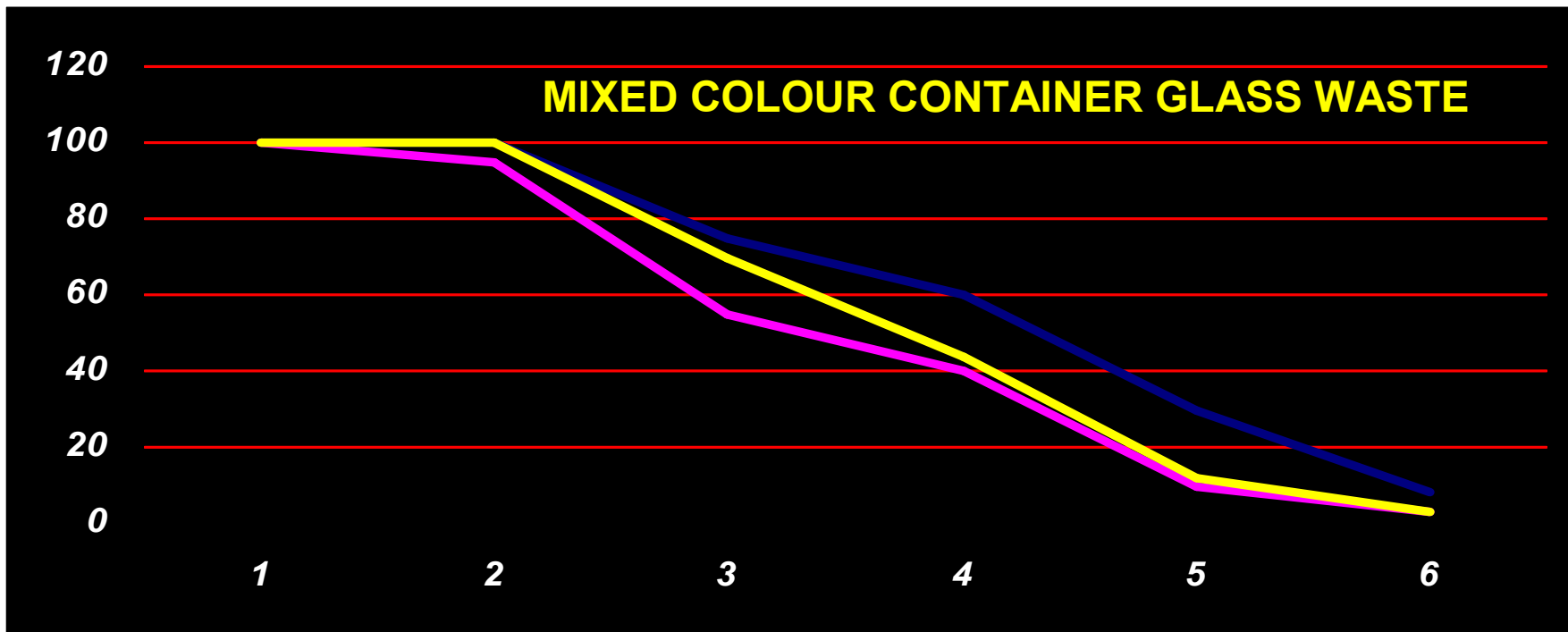
Coated macadam for roads and other paved areas

- Table 26 - Aggregate grading for 0/10 mm size close graded surface course

Test sieve aperture size	Indicative FPC tolerance	Aggregate % by mass passing
14		100
10	+5/- 8	95-100
6.3	+/- 7	55-75
4	+/- 7	report value
2	+/- 6	19-37
1	+/- 4	10-30
0.063	+/- 2	3-8

Aggregate and Specification

- BS 4987 :Table 26 compliant (Jacobs)



Asphalt made using Waste

Bitumen backed carpet tiles *typical composition*

- Can be Nylon but more often Polypropylene fibres
- SBR {Styrene Butadiene Rubber} > 4% -12%
- Glass Fibre > 1% - 4%
- Limestone > 44% - 55%

Bitumen (18 pen) > 22% - 25%

Bitumen Backed Carpet Tiles availability

