		Paveme	nt Layers			
			lential	Commercial/Arterial Route	Regional	
Bound layers		Cul de sac - Home Zone	Spine Rd - Heavily Trafficked	Industrial Estates/Link roads	AADT > 3000 vehicles	
,			·	-		
Surface course	Minimum compacted thickness:	40mm	40mm	40mm	40mm	
(Single course)	Chip size range:	10mm	10mm or 14mm	10mm or 14mm	10mm or 14mm	
	Material name:	SMA surf (IS EN 13108-5)	SMA surf (IS EN 13108-5)	SMA surf (IS EN 13108-5)	SMA surf (IS EN 13108-5)	
	Alternatively:		HRA (IS EN 13108-4)	HRA (IS EN 13108-4)	HRA (IS EN 13108-4)	
Binder course	Minimum compacted thickness:	100mm	60mm	60mm	60mm	
(Single course)	Chip size range:	20mm	20mm	20mm	20mm	
	Material:	AC 20 dense bin (IS 13108-1)	AC 20 dense bin (IS 13108-1)	AC 20 dense bin (IS 13108-1)	AC 20 dense bin (IS 13108-1)	
Base course	Minimum compacted thickness:		80mm	120mm	<b>220mm</b> (2 layers)	
(Single or double course)	Chip size range:		32mm	32mm	32mm	
,	Material name:		AC 32 dense base (IS 13108-1)	AC 32 dense base (IS 13108-1)	AC 32 dense base (IS 13108-1)	
			. ,	,	. ,	
	Minimum bituminous thickness:	140mm	180mm	220mm	320mm	
		(Designer should be cognisant of Figure 4.2 of DN-PAV-03021 Dec 2010)				
Unbound layers			, , , ,			
,						
Sub-base	Minimum compacted thickness:	150mm	150mm	150mm	150mm	
	'	Refer to TII publication - Series 800 (Including Clauses 801-804)				
	Material name:		Refer to 111 publication - Series	800 (Including Clauses 801-804)		
	Material name:		Refer to 111 publication - Series	800 (Including Clauses 801-804)		
Capping	Material name:  Compacted thickness:	Ref	·	e. CBR, plate compaction, water tables,	etc)	
Capping		Ref	er to TII publication - DN-PAV-0321 (i.e		etc)	
Capping	Compacted thickness:	Ref	er to TII publication - DN-PAV-0321 (i.e	e. CBR, plate compaction, water tables,	etc)	
Capping	Compacted thickness:	Ref	er to TII publication - DN-PAV-0321 (i.e	e. CBR, plate compaction, water tables,	etc)	
	Compacted thickness: Material name:	Ref Red SMA	er to TII publication - DN-PAV-0321 (i.e Refer to TII publication - DN-PAV-032	e. CBR, plate compaction, water tables, 1 (i.e. Class 6F2/6F1, water tables, etc)	etc)	
Surface course	Compacted thickness: Material name: Material description	Red SMA	er to TII publication - DN-PAV-0321 (i.e Refer to TII publication - DN-PAV-032 Coloured Surface Course Options Buff SMA	e. CBR, plate compaction, water tables,  1 (i.e. Class 6F2/6F1, water tables, etc)  Black SMA with Red Chip	etc)	
	Compacted thickness: Material name:  Material description For use on:	Red SMA DEMURS	er to TII publication - DN-PAV-0321 (i.e Refer to TII publication - DN-PAV-032 Coloured Surface Course Options Buff SMA Cul de sacs, DEMURS	e. CBR, plate compaction, water tables,  1 (i.e. Class 6F2/6F1, water tables, etc)  Black SMA with Red Chip  Traffic Calming Ramps	etc)	
Surface course	Compacted thickness: Material name:  Material description For use on: Min compacted thickness:	Red SMA DEMURS 40mm	er to TII publication - DN-PAV-0321 (i.e Refer to TII publication - DN-PAV-032 Coloured Surface Course Options Buff SMA Cul de sacs, DEMURS	e. CBR, plate compaction, water tables,  1 (i.e. Class 6F2/6F1, water tables, etc)  Black SMA with Red Chip  Traffic Calming Ramps  40mm	etc)	
Surface course	Compacted thickness: Material name:  Material description For use on: Min compacted thickness: Chip size range:	Red SMA DEMURS 40mm 10mm only	er to TII publication - DN-PAV-0321 (i.e. Refer to TII publication - DN-PAV-032  Coloured Surface Course Options  Buff SMA  Cul de sacs, DEMURS  40mm  10mm only	e. CBR, plate compaction, water tables,  1 (i.e. Class 6F2/6F1, water tables, etc)  Black SMA with Red Chip  Traffic Calming Ramps  40mm  10mm only	etc)	
Surface course	Compacted thickness: Material name:  Material description For use on: Min compacted thickness: Chip size range: Min chip PSV value:	Red SMA DEMURS 40mm 10mm only 55	er to TII publication - DN-PAV-0321 (i.e Refer to TII publication - DN-PAV-032 Coloured Surface Course Options Buff SMA Cul de sacs, DEMURS 40mm 10mm only	e. CBR, plate compaction, water tables,  1 (i.e. Class 6F2/6F1, water tables, etc)  Black SMA with Red Chip Traffic Calming Ramps  40mm  10mm only  55	etc)	
Surface course	Compacted thickness: Material name:  Material description For use on: Min compacted thickness: Chip size range: Min chip PSV value: Material name:	Red SMA DEMURS 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5)	er to TII publication - DN-PAV-0321 (i.e Refer to TII publication - DN-PAV-032 Coloured Surface Course Options Buff SMA Cul de sacs, DEMURS 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5)	e. CBR, plate compaction, water tables,  1 (i.e. Class 6F2/6F1, water tables, etc)  Black SMA with Red Chip Traffic Calming Ramps 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5)	etc)	
Surface course	Compacted thickness: Material name:  Material description For use on: Min compacted thickness: Chip size range: Min chip PSV value: Material name: Chip colour:	Red SMA DEMURS 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red	er to TII publication - DN-PAV-0321 (i.e. Refer to TII publication - DN-PAV-032  Coloured Surface Course Options  Buff SMA  Cul de sacs, DEMURS  40mm 10mm only 55  SMA surf PMB (IS EN 13108-5)  Buff	e. CBR, plate compaction, water tables,  1 (i.e. Class 6F2/6F1, water tables, etc)  Black SMA with Red Chip Traffic Calming Ramps  40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red	etc)	
Surface course	Compacted thickness: Material name:  Material description For use on: Min compacted thickness: Chip size range: Min chip PSV value: Material name: Chip colour: Aggregate colour ratio:	Red SMA DEMURS 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red Chips >4mm: Coloured Aggregate	er to TII publication - DN-PAV-0321 (i.e. Refer to TII publication - DN-PAV-032  Coloured Surface Course Options  Buff SMA  Cul de sacs, DEMURS  40mm 10mm only 55  SMA surf PMB (IS EN 13108-5) Buff Chips >4mm: Coloured Aggregate	e. CBR, plate compaction, water tables, 1 (i.e. Class 6F2/6F1, water tables, etc)  Black SMA with Red Chip Traffic Calming Ramps 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red Chips >4mm: Coloured Aggregate	etc)	
Surface course	Compacted thickness: Material name:  Material description For use on: Min compacted thickness: Chip size range: Min chip PSV value: Material name: Chip colour: Aggregate colour ratio: Pigment colour:	Red SMA DEMURS 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red Chips >4mm: Coloured Aggregate Red	er to TII publication - DN-PAV-0321 (i.e. Refer to TII publication - DN-PAV-032  Coloured Surface Course Options  Buff SMA  Cul de sacs, DEMURS  40mm 10mm only 55  SMA surf PMB (IS EN 13108-5) Buff Chips >4mm: Coloured Aggregate Buff	Black SMA with Red Chip Traffic Calming Ramps 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red Chips >4mm: Coloured Aggregate n/a	etc)	
Surface course	Compacted thickness: Material name:  Material description For use on: Min compacted thickness: Chip size range: Min chip PSV value: Material name: Chip colour: Aggregate colour ratio: Pigment colour:	Red SMA DEMURS 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red Chips >4mm: Coloured Aggregate Red 5% (Typically)	cr to TII publication - DN-PAV-0321 (i.e. Refer to TII publication - DN-PAV-032  Coloured Surface Course Options  Buff SMA  Cul de sacs, DEMURS  40mm 10mm only 55  SMA surf PMB (IS EN 13108-5) Buff Chips >4mm: Coloured Aggregate Buff 5% (Typically)	Black SMA with Red Chip Traffic Calming Ramps 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red Chips >4mm: Coloured Aggregate n/a None	etc)	
Surface course	Compacted thickness: Material name:  Material description For use on: Min compacted thickness: Chip size range: Min chip PSV value: Material name: Chip colour: Aggregate colour ratio: Pigment colour: Pigment % in mix: Binder:	Red SMA DEMURS 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red Chips >4mm: Coloured Aggregate Red 5% (Typically) Black	cr to TII publication - DN-PAV-0321 (i.e. Refer to TII publication - DN-PAV-032  Coloured Surface Course Options  Buff SMA  Cul de sacs, DEMURS  40mm 10mm only 55  SMA surf PMB (IS EN 13108-5) Buff Chips >4mm: Coloured Aggregate Buff 5% (Typically) Clear	Black SMA with Red Chip Traffic Calming Ramps 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red Chips >4mm: Coloured Aggregate n/a None Black	etc)	
Surface course	Compacted thickness: Material name:  Material description For use on: Min compacted thickness: Chip size range: Min chip PSV value: Material name: Chip colour: Aggregate colour ratio: Pigment colour: Pigment % in mix: Binder: After treatment:	Red SMA DEMURS 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red Chips >4mm: Coloured Aggregate Red 5% (Typically) Black None	er to TII publication - DN-PAV-0321 (i.e. Refer to TII publication - DN-PAV-032  Coloured Surface Course Options  Buff SMA  Cul de sacs, DEMURS  40mm 10mm only 55  SMA surf PMB (IS EN 13108-5) Buff Chips >4mm: Coloured Aggregate Buff 5% (Typically) Clear None	Black SMA with Red Chip Traffic Calming Ramps 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red Chips >4mm: Coloured Aggregate n/a None Black None	etc)	
Surface course (Single course)	Compacted thickness: Material name:  Material description For use on: Min compacted thickness: Chip size range: Min chip PSV value: Material name: Chip colour: Aggregate colour ratio: Pigment colour: Pigment % in mix: Binder:	Red SMA DEMURS 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red Chips >4mm: Coloured Aggregate Red 5% (Typically) Black	cr to TII publication - DN-PAV-0321 (i.e. Refer to TII publication - DN-PAV-032  Coloured Surface Course Options  Buff SMA  Cul de sacs, DEMURS  40mm 10mm only 55  SMA surf PMB (IS EN 13108-5) Buff Chips >4mm: Coloured Aggregate Buff 5% (Typically) Clear	Black SMA with Red Chip Traffic Calming Ramps 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red Chips >4mm: Coloured Aggregate n/a None Black	etc)	
Surface course (Single course)	Compacted thickness: Material name:  Material description For use on: Min compacted thickness: Chip size range: Min chip PSV value: Material name: Chip colour: Aggregate colour ratio: Pigment colour: Pigment % in mix: Binder: After treatment: Protected from Traffic:	Red SMA DEMURS 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red Chips >4mm: Coloured Aggregate Red 5% (Typically) Black None 4hrs min	er to TII publication - DN-PAV-0321 (i.e. Refer to TII publication - DN-PAV-032  Coloured Surface Course Options  Buff SMA  Cul de sacs, DEMURS  40mm 10mm only 55  SMA surf PMB (IS EN 13108-5) Buff Chips >4mm: Coloured Aggregate Buff 5% (Typically) Clear None	Black SMA with Red Chip Traffic Calming Ramps 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red Chips >4mm: Coloured Aggregate n/a None Black None	etc)	
Surface course (Single course)  Notes  1. Any deviation from the requirement	Compacted thickness: Material name:  Material description For use on: Min compacted thickness: Chip size range: Min chip PSV value: Material name: Chip colour: Aggregate colour ratio: Pigment colour: Pigment % in mix: Binder: After treatment: Protected from Traffic:	Red SMA DEMURS 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red Chips >4mm: Coloured Aggregate Red 5% (Typically) Black None 4hrs min	er to TII publication - DN-PAV-0321 (i.e. Refer to TII publication - DN-PAV-032  Coloured Surface Course Options  Buff SMA  Cul de sacs, DEMURS  40mm 10mm only 55  SMA surf PMB (IS EN 13108-5) Buff Chips >4mm: Coloured Aggregate Buff 5% (Typically) Clear None	Black SMA with Red Chip Traffic Calming Ramps 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red Chips >4mm: Coloured Aggregate n/a None Black None	etc)	
Surface course (Single course)  Notes 1. Any deviation from the requirement 2. Design must is be in compliance with	Compacted thickness: Material name:  Material description For use on: Min compacted thickness: Chip size range: Min chip PSV value: Material name: Chip colour: Aggregate colour ratio: Pigment colour: Pigment colour: Pigment % in mix: Binder: After treatment: Protected from Traffic:	Red SMA DEMURS 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red Chips >4mm: Coloured Aggregate Red 5% (Typically) Black None 4hrs min	er to TII publication - DN-PAV-0321 (i.e. Refer to TII publication - DN-PAV-032  Coloured Surface Course Options  Buff SMA  Cul de sacs, DEMURS  40mm 10mm only 55  SMA surf PMB (IS EN 13108-5) Buff Chips >4mm: Coloured Aggregate Buff 5% (Typically) Clear None	Black SMA with Red Chip Traffic Calming Ramps 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red Chips >4mm: Coloured Aggregate n/a None Black None	etc)	
Surface course (Single course)  Notes 1. Any deviation from the requirement 2. Design must is be in compliance with 3. Design must be signed off by a certification of the signed of the signed off by a certification of the signed of the signed of the signed off by a cert	Compacted thickness: Material name:  Material description For use on: Min compacted thickness: Chip size range: Min chip PSV value: Material name: Chip colour: Aggregate colour ratio: Pigment colour: Pigment colour: Pigment % in mix: Binder: After treatment: Protected from Traffic: st above must be approved in advance in current IS EN 13108 and SR28	Red SMA DEMURS 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red Chips >4mm: Coloured Aggregate Red 5% (Typically) Black None 4hrs min	cr to TII publication - DN-PAV-0321 (i.e. Refer to TII publication - DN-PAV-032  Coloured Surface Course Options  Buff SMA  Cul de sacs, DEMURS  40mm 10mm only 55  SMA surf PMB (IS EN 13108-5) Buff Chips >4mm: Coloured Aggregate Buff 5% (Typically) Clear None 4hrs min	Black SMA with Red Chip Traffic Calming Ramps 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red Chips >4mm: Coloured Aggregate n/a None Black None	etc)	
Surface course (Single course)  Notes 1. Any deviation from the requirement 2. Design must is be in compliance with 3. Design must be signed off by a certif 4. Where a subgrade has a CBR lower t	Compacted thickness: Material name: Material description For use on: Min compacted thickness: Chip size range: Min chip PSV value: Material name: Chip colour: Aggregate colour ratio: Pigment colour: Pigment % in mix: Binder: After treatment: Protected from Traffic: as above must be approved in advance in current IS EN 13108 and SR28 fied person	Red SMA DEMURS 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red Chips >4mm: Coloured Aggregate Red 5% (Typically) Black None 4hrs min  by SDCC Roads Department	er to TII publication - DN-PAV-0321 (i.e. Refer to TII publication - DN-PAV-032  Coloured Surface Course Options  Buff SMA  Cul de sacs, DEMURS  40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Buff Chips >4mm: Coloured Aggregate Buff 5% (Typically) Clear None 4hrs min	Black SMA with Red Chip Traffic Calming Ramps 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red Chips >4mm: Coloured Aggregate n/a None Black None 2hrs min	etc)	
Notes 1. Any deviation from the requirement 2. Design must is be in compliance with 3. Design must be signed off by a certif 4. Where a subgrade has a CBR lower t 5. SDCC require that 2 days advance n	Compacted thickness: Material name:  Material description For use on: Min compacted thickness: Chip size range: Min chip PSV value: Material name: Chip colour: Aggregate colour ratio: Pigment colour: Pigment colour: Pigment % in mix: Binder: After treatment: Protected from Traffic: st above must be approved in advance in current IS EN 13108 and SR28	Red SMA DEMURS 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red Chips >4mm: Coloured Aggregate Red 5% (Typically) Black None 4hrs min  by SDCC Roads Department or support, and must be 'permanently	er to TII publication - DN-PAV-0321 (i.e. Refer to TII publication - DN-PAV-032  Coloured Surface Course Options  Buff SMA  Cul de sacs, DEMURS  40mm  10mm only  55  SMA surf PMB (IS EN 13108-5)  Buff  Chips >4mm: Coloured Aggregate  Buff  5% (Typically)  Clear  None  4hrs min  improved'  us work being carried out (date & app	Black SMA with Red Chip Traffic Calming Ramps 40mm 10mm only 55 SMA surf PMB (IS EN 13108-5) Red Chips >4mm: Coloured Aggregate n/a None Black None 2hrs min	etc)	

## **Helpful notes for Builders and Inspectors**

Laid too high - decreasing the subbase layer depth  Incorrect procedures being employed  Compaction to be carried out to specification for unbound mixtures  Seperation of large and fine aggregate; not being placed to specification  Avoid stock-piling; random spot-checks, turn away trucks with segregated material  Sepreation of large and fine aggregate; not being placed to specification  Livying  Compaction  Incorrect compaction procedures being employed  Compaction  Incorrect compaction procedures being employed  Segregation of material being loaded; cold material delivered to site  Laying  Laying during unsuitable weather conditions (i.e. heavy rain, cold temps)  Binder course & Surface course  Protection of the exposed surface (Base)  Protection of the exposed surface (Base)  Material  Segregation of material being loaded; cold material delivered to site  Bond coat between every bituminous course  Not being applied on the being employed  Compaction in the first instance; housekeeping; reduce time between laying courses  Brod coat between every bituminous course  Segregation of material being loaded; cold material delivered to site  Laying Compaction to be carried out to specification for unbound mixtures  Better quality control by Builder, and supervision of Sub-Contractor; temp control  By 594987 Clause 4.1 & 4.2  Compaction to be carried out to specification for unbound mixtures  Better quality control by Builder, and supervision of Sub-Contractor; temp control  By 594987 Clause 4.1 & 4.2  White plants in the first instance; housekeeping; reduce time between laying courses  By 594987 Clause 9.1, 9.2 & 9.  White plants in the first instance; housekeeping; reduce time between laying courses  By 594987 Clause 9.1, 9.2 & 9.  White plants in the first instance; housekeeping; reduce time between laying course  By 594987 Clause 9.1, 9.2 & 9.  White plants in the first instance; housekeeping; reduce time between laying course  By 594987 Clause 9.1, 9.2 & 9.  White plants in the first instance; housekeeping; reduce	D 1 /D :11 111 :			
BS 594987/2015 - Specification for tosadworks - Series 800 - Lunbound materials (CC-5PW-00800)  BO 594987/2015 - Specification for transport, laying, compaction and product-type testing protocok  Item Problems Remedy Reference  Capping Problems Remedy Reference  Capping Associated Drying out Avoid stock-pilling Remind ground workers of the max layer depth Series 800 - Clause 802 - Laying Being laid in layers greater than 225mm Remind ground workers of the max layer depth Series 800 - Clause 802 - Table Sub-base  Compaction Incorrect corporatives being employed Compaction to be carried out to specification for unbound mixtures  Sub-base Sub-base Sub-base Series 800 - Clause 802 - Table Sub-base Series 800 - Clause 802 - Table Sub-base Sub-ba		nvolved in the construction of Road Pavements should be very familiar with	n the contents of the following documents:	
SS 594937:2015 - Specification for transport, laying, compaction and product-type testing protocols   Notwithstanding the information contained in the above documents, SDCC TIC section draw particular attention to the items below where reoccurring problems are being regularly encountered at construction stage:    Item				
Notwithstanding the information contained in the above documents, SDCC TIC section draw particular attention to the items below where reoccurring problems are being regularly encountered at construction stage:    Item	·	<u> </u>		
Reference   Remedy   Reference   Referen	BS 594987:2015 - Specification for trans	sport, laying, compaction and product-type testing protocols		
Reference   Remedy   Reference   Referen	Not with standing the information contained i	n the above degree ante CDCC TIC section draw neuticular attention to the	towar below whose was accounting weaklesses are being warriagely as accountaried at accounting state of	
Capping Material Dyrig out Material Dirying out Being laid in layers greater than 225mm Remind ground workers of the max layer depth Series 800 Clause 802 / Laying Compaction Laying Being laid too high - decreasing the subbase layer depth Sub-base Compaction in correct procedures being employed Laying liregular surface profile Laying Irregular surface profile Sub-base Seperation of large and fine aggregate, not being placed to specification Laying Irregular surface profile Sub-base to be machine laid; finished layer must have a closed blinded finish Series 800 - Clause 802 - Trans Sub-base to be machine laid; finished layer must have a closed blinded finish Series 800 - Clause 802 - Trans Sub-base to be machine laid; finished layer must have a closed blinded finish Series 800 - Clause 802 - Trans Sub-base to be machine laid; finished layer must have a closed blinded finish Series 800 - Clause 802 - Trans Sub-base to be machine laid; finished layer must have a closed blinded finish Series 800 - Clause 802 - Trans Sub-base to be machine laid; finished layer must have a closed blinded finish Series 800 - Clause 802 - Trans Sub-base to be machine laid; finished layer must have a closed blinded finish Series 800 - Clause 802 - Trans Sub-base to be machine laid; finished layer must have a closed blinded finish Series 800 - Clause 802 - Trans Sub-base to be machine laid; finished layer must have a closed blinded finish Series 800 - Clause 802 - Trans Sub-base to be machine laid; finished layer must have a closed blinded finish Series 800 - Clause 802 - Trans Sub-base to be machine laid; finished layer must have a closed blinded finish Series 800 - Clause 802 - Trans Sub-base to be machine laid; finished layer must have a closed blinded finish Series 800 - Clause 802 - Trans Sub-base to be machine laid; finished layer must have a closed blinded finish Series 800 - Clause 802 - Trans Sub-base to be machine laid; finished layer must have a closed blinded finish Series 800 - Clause 802 - Trans Sub-base to be machine laid;	Notwithstanding the information contained i	n the above documents, SDCC TIC section draw particular attention to the I	terns below where reoccurring problems are being regularly encountered at construction sta <sub>i</sub>	ge.
Material Dyring out Being ladid in layers greater than 225mm Remind ground workers of the max layer depth Series 800 Clause 802/1 Series 800 - Clause 802 - Laying Laid too high - decreasing the subbase layer depth Better quality control by Builder, and supervision of Sub-Contractor Compaction Incorrect procedures being employed Compaction to be carried out to specification for unbound mixtures Series 800 - Clause 802 - Tank Sub-base Part of large and fine aggregate; not being placed to specification and incorrect compaction procedures being employed Sub-base to be material lead; finished layer must have a closed blinded finish Series 800 - Clause 802 - Tank Sase to be matchine laid; finished layer must have a closed blinded finish Series 800 - Clause 802 - Tank Sase Sub-Base Series 800 - Clause 802 - Italying Compaction of the carried out to specification for unbound mixtures Series 800 - Clause 802 - Italying Compaction procedures being employed Sub-Base to be matchine laid; finished layer must have a closed blinded finish Series 800 - Clause 802 - Tank Sase to be carried out to specification for unbound mixtures Series 800 - Clause 802 - Tank Sase to be carried out to specification for unbound mixtures Series 800 - Clause 802 - Tank Sase Sub-Base Sub-Base Sub-Base to be carried out to specification for unbound mixtures Series 800 - Clause 802 - Tank Sase Sub-Base S	Item	Problems	Remedy	Reference
Laying Being laid in layers greater than 225mm Remind ground workers of the max layer depth Better quality control by Builder, and supervision of Sub-Contractor  Compaction Incorrect procedures being employed Compaction to be carried out to specification for unbound mixtures Series 800 - Clause 802 - Table Sub-base  Sub-base Superation of large and fine aggregate; not being placed to specification Avoid stock-piling; random spot-checks, turn away trucks with segregated material Series 800 - Clause 802 - Trans Laying Irregular surface profile Sub-base to be machine laid; finished layer must have a closed blinded finish Series 800 - Clause 802 - Trans Laying Compaction of be carried out to specification for unbound mixtures Series 800 - Clause 802 - Trans Laying Laying during unsuitable weather conditions (i.e. heavy rain, cold temps) Base Series 800 - Clause 802 - Trans Laying Compaction of the exposed surface (Base) Series 800 - Clause 802 - Trans Laying Laying during unsuitable weather conditions (i.e. heavy rain, cold temps) Compaction of the exposed surface (Base) Contaminated, open texture filled with clay/dirt Sond cab between gvery bituminous course Not being applied; not being verified; SDCC must receive notice of laying Material Segregation of material being deaded; cold material delivered to site Bandarial being loaded; cold material delivered to site Bandarial being loaded; cold material delivered to site Bandarial being loaded; cold material being loaded; cold material delivered to site Bandarial being loaded; cold material delivered to site Bandarial being loaded; cold material being loa	Capping			
Laid too high - decreasing the subbase layer depth  Incorrect procedures being employed  Sub-base  Material Seperation of large and fine aggregate; not being placed to specification  Incorrect compaction by Builder, and supervision of Sub-Contractor  Sub-base  Material Seperation of large and fine aggregate; not being placed to specification  Incorrect compaction procedures being employed  Sub-base Sub-base of wids took-piling; random spot-checks, turn away trucks with segregated material  Segregation of naterial being loaded; cold material delivered to site  Laying Capital Segregation of material being loaded; cold material delivered to site  Laying Laying during unsuitable weather conditions (i.e. heavy rain, cold temps)  Sometian of the exposed surface (Base)  Frotection of the exposed surface (Base)  Material Segregation of material being loaded; cold material delivered to site  Laying Compaction in correct compaction procedures being employed  Compaction to be carried out to specification for unbound mixtures  Series 800 - Clause 802 - Trans  Sub-base to be machine laid; finished layer must have a closed blinded finish  Series 800 - Clause 802 - Trans  Sub-base to be machine laid; finished layer must have a closed blinded finish  Series 800 - Clause 802 - Trans  Sub-base to be machine laid; finished layer must have a closed blinded finish  Series 800 - Clause 802 - Trans  Sub-base to be machine laid; finished layer must have a closed blinded finish  Series 800 - Clause 802 - Trans  Sub-base to be machine laid; finished layer must have a closed blinded finish  Series 800 - Clause 802 - Trans  Better quality control by Builder, and supervision of Sub-Contractor; temp control  Both Sub-Both finished supervision of Sub-Contractor; temp control  So 594987 Clause 6.1, 6.2, 6.3  Compaction to be carried out to specification for bound mixtures  Series 800 - Clause 802 - Trans  Better quality control by Builder, and supervision of Sub-Contractor; temp control  So 594987 Clause 6.1, 6.2, 6.3  Compaction to be carrie	Material	Drying out		Series 800 Clause 802/1
Compaction   Incorrect procedures being employed   Compaction to be carried out to specification for unbound mixtures   Series 800 - Clause 802 - Table Sub-base   Avoid stock-piling; random spot-checks, turn away trucks with segregated material   Series 800 - Clause 802 - Trans	Laying	Being laid in layers greater than 225mm	Remind ground workers of the max layer depth	Series 800 - Clause 802 - Laying
Sub-base Material Seperation of large and fine aggregate; not being placed to specification Laying Irregular surface profile Sub-base to be machine laid; finished layer must have a closed blinded finish Series 800 - Clause 802 - Trans Sub-base to be machine laid; finished layer must have a closed blinded finish Series 800 - Clause 802 - Table Series 800 - Clause 802 - Table Compaction Material Segregation of material being loaded; cold material delivered to site Laying Laying Laying unsuitable weather conditions (i.e. heavy rain, cold temps) Incorrect compaction procedures being employed Segregation of the exposed surface (Base) Contaminated, open texture filled with clay/dirt Protection of the exposed surface (Base) Material Segregation of material being loaded; cold material delivered to site Laying Compaction to be carried out to specification for bound mixtures Segregation of material being loaded; cold material delivered to site Laying Compaction to be carried out to specification for bound mixtures Segregation of material being loaded; cold material delivered to site Laying Segregation of material being loaded; cold material delivered to site Laying Segregation of material being loaded; cold material delivered to site Laying Segregation of material being loaded; cold material delivered to site Laying Segregation of material being loaded; cold material delivered to site Laying Segregation of material being loaded; cold material delivered to site Laying Segregation of material being loaded; cold material delivered to site Laying Segregation of material being loaded; cold material delivered to site Laying Segregation of material being loaded; cold material delivered to site Laying Segregation of material being loaded; cold material delivered to site Laying Segregation of material being loaded; cold material delivered to site Laying Segregation of material being loaded;		Laid too high - decreasing the subbase layer depth	Better quality control by Builder, and supervision of Sub-Contractor	
Seperation of large and fine aggregate; not being placed to specification   Avoid stock-piling; random spot-checks, turn away trucks with segregated material   Series 800 - Clause 802 - Trans   Sub-base to be machine laid; finished layer must have a closed blinded finish   Series 800 - Clause 802 - Laying Compaction   Incorrect compaction procedures being employed   Compaction to be carried out to specification for unbound mixtures   Series 800 - Clause 802 - Table   Sub-base to be machine laid; finished layer must have a closed blinded finish   Series 800 - Clause 802 - Table   Sub-base to be carried out to specification for unbound mixtures   Series 800 - Clause 802 - Table   Sub-base to be carried out to specification for unbound mixtures   Series 800 - Clause 802 - Table   Sub-base to be machine laid; finished layer must have a closed blinded finish   Series 800 - Clause 802 - Table   Sub-base to be machine laid; finished layer must have a closed blinded finish   Series 800 - Clause 802 - Table   Sub-base to be machine laid; finished layer must have a closed blinded finish   Series 800 - Clause 802 - Table   Sub-base to be machine laid; finished layer must have a closed blinded finish   Series 800 - Clause 802 - Table   Sub-base to be machine laid; finished layer must have a closed blinded finish   Series 800 - Clause 802 - Table   Sub-base 1	Compaction	Incorrect procedures being employed	Compaction to be carried out to specification for unbound mixtures	Series 800 - Clause 802 - Table 8/4
Laying Irregular surface profile Sub-base to be machine laid; finished layer must have a closed blinded finish Series 800 - Clause 802 - Laying Compaction Incorrect compaction procedures being employed Compaction to be carried out to specification for unbound mixtures Series 800 - Clause 802 - Table Base  Material Segregation of material being loaded; cold material delivered to site Laying Laying during unsuitable weather conditions (i.e. heavy rain, cold temps) Better programming Incorrect compaction procedures being employed Compaction to be carried out to specification for bound mixtures BS 594987 Clause 6.1, 6.2, 6.3 Compaction Incorrect compaction procedures being employed Compaction to be carried out to specification for bound mixtures BS 594987 Clause 9.1, 9.2 & 9. Prevention in the first instance; housekeeping; reduce time between laying courses BS 594987 Clause 9.1, 9.2 & 9. Prevention in the first instance; housekeeping; reduce time between laying courses BS 594987 Clause 5.1 Winderial Segregation of material being loaded; cold material delivered to site Laying Segregation of material being loaded; cold material delivered to site Laying Laying during unsuitable weather conditions is completely unnacceptable Incorrect compaction procedures being employed Compaction Procedures being employed Sub-Contractor; temp control SS 594987 Clause 6.1, 6.2, 6.3 Compaction Procedures Segregation of material being loaded; cold material delivered to site Better quality control by Builder, and supervision of Sub-Contractor SS 594987 Clause 6.1, 6.2, 6.3 Compaction Procedures Sub-Contractor SS 594987 Clause 6.1, 6.2, 6.3 Compaction Procedures Sub-Contractor SS 594987 Clause 6.1, 6.2, 6.3 Compaction Procedures Sub-Contractor	Sub-base			
Compaction be carried out to specification for unbound mixtures Series 800 - Clause 802 - Table Base Series 800 - Clause 802 - Table 804 - Clause 804 - Clause 802 - Table 804 - Clause 804 - Cla	Material	Seperation of large and fine aggregate; not being placed to specification	Avoid stock-piling; random spot-checks, turn away trucks with segregated material	Series 800 - Clause 802 - Transport
Material Segregation of material being loaded; cold material delivered to site Laying Laying during unsuitable weather conditions (i.e. heavy rain, cold temps) Compaction Incorrect compaction procedures being employed Compaction to be carried out to specification for bound mixtures BS 594987 Clause 6.1, 6.2, 6.3 Compaction Surface course Protection of the exposed surface (Base) Contaminated, open texture filled with clay/dirt Prevention in the first instance; housekeeping; reduce time between laying courses BS 594987 Clause 5.1 Bond coat between every bituminous course Material Segregation of material being loaded; cold material delivered to site Laying Laying during unsuitable weather conditions is completely unnacceptable Compaction in correct compaction procedures being employed Compaction to be carried out to specification for bound mixtures BS 594987 Clause 5.1 Better quality control by Builder, and supervision of sub-Contractor; temp control BS 594987 Clause 5.1 Better quality control by Builder, and supervision of Sub-Contractor; temp control BS 594987 Clause 4.1 & 4.2 Laying Laying during unsuitable weather conditions is completely unnacceptable Incorrect compaction procedures being employed Compaction requirements for bound materials must be met BS 594987 Clause 9.1, 9.2 & 9.  Joints Longitudinal Mats not laid tightly together; joint holding water (freeze/thaw issues) Better quality control by Builder, and supervision of Sub-Contractor BS 594987 Clause 6.8  Edge-sealing Better quality control by Builder, and supervision of Sub-Contractor BS 594987 Clause 6.9  Topsealing: Better quality control by Builder, and supervision of Sub-Contractor BS 594987 Clause 6.9  Topsealing: Better quality control by Builder, and supervision of Sub-Contractor BS 594987 Clause 6.9  Topsealing: Better quality control by Builder, and supervision of Sub-Contractor BS 594987 Clause 6.9  Topsealing: Better quality control by Builder, and supervision of Sub-Contractor BS 594987 Clause 6.9  Topsealing: Better quality control by B	Laying	Irregular surface profile	Sub-base to be machine laid; finished layer must have a closed blinded finish	Series 800 - Clause 802 - Laying
Material Segregation of material being loaded; cold material delivered to site Laying Laying during unsuitable weather conditions (i.e. heavy rain, cold temps) Incorrect compaction procedures being employed  Protection of the exposed surface (Base) Protection of the exposed surface (Base) Compaction Segregation of material being loaded; cold material delivered to site Laying Compaction Protection of the exposed surface (Base) Protection of the exposed surface (Base) Segregation of material being employed  Segregation of material being loaded; cold material delivered to site Laying Segregation of material being loaded; cold material delivered to site Laying Laying during unsuitable weather conditions is completely unnacceptable Compaction Incorrect compaction procedures being employed  Segregation of material being loaded; cold material delivered to site Laying Laying during unsuitable weather conditions is completely unnacceptable Incorrect compaction procedures being employed  Segregation of material being loaded; cold material delivered to site Laying Laying during unsuitable weather conditions is completely unnacceptable Incorrect compaction procedures being employed  Segregation of material being loaded; cold material delivered to site Laying Laying during unsuitable weather conditions is completely unnacceptable Incorrect compaction procedures being employed  Segregation of material being loaded; cold material delivered to site Laying Laying during unsuitable weather conditions is completely unnacceptable Incorrect compaction procedures being employed  Segregation of material being loaded; cold material delivered to site Laying Laying during unsuitable weather conditions is completely unnacceptable Incorrect compaction procedures being employed  Segregation of sub-Contractor; temp control BS 594987 Clause 9.1, 9.2 & 9.  Setter quality control by Builder, and supervision of Sub-Contractor BS 594987 Clause 9.1, 9.2 & 9.  Setter quality control by Builder, and supervision of Sub-Contractor BS 594987 Clause 9.	Compaction	Incorrect compaction procedures being employed	Compaction to be carried out to specification for unbound mixtures	Series 800 - Clause 802 - Table 8/4
Laying Laying unsuitable weather conditions (i.e. heavy rain, cold temps)  Compaction Incorrect compaction procedures being employed Compaction to be carried out to specification for bound mixtures B5 594987 Clause 6.1, 6.2, 6.3  Compaction of the exposed surface (Base)  Protection of the exposed surface (Base)  Bond coat between every bituminous course  Material Segregation of material being loaded; cold material delivered to site Laying  Laying during unsuitable weather conditions is completely unnacceptable  Incorrect compaction procedures being employed  Material Segregation of material being loaded; cold material delivered to site Laying  Laying during unsuitable weather conditions is completely unnacceptable  Incorrect compaction procedures being employed  Material Segregation of material being loaded; cold material delivered to site Compaction  Incorrect compaction procedures being employed  Material Segregation of material being loaded; cold material delivered to site Laying during unsuitable weather conditions is completely unnacceptable  Incorrect compaction procedures being employed  Material Segregation of sub-Contractor; temp control Septions of Sub-Contractor  BS 594987 Clause 5.1  Better quality control by Builder, and supervision of Sub-Contractor  BS 594987 Clause 9.1, 9.2 & 9.  Compaction requirements for bound materials must be met  Compaction requirements for bound materials must be met  Better quality control by Builder, and supervision of Sub-Contractor  BS 594987 Clause 6.8  Edge-sealing  Kerbs and other edges  No evidence sealing is being carried out  Better quality control by Builder, and supervision of Sub-Contractor  BS 594987 Clause 6.9  Topsealing:  Longitudunal joints  TII/SDCC do not approve top-sealing with standard bitumen seal  Material must have min SRV (Skid Resistance Value) value of 55 (i.e. overbanding product)	Base			
Compaction Incorrect compaction procedures being employed Compaction to be carried out to specification for bound mixtures BS 594987 Clause 9.1, 9.2 & 9.  Binder course & Surface course Protection of the exposed surface (Base) Bond coat between every bituminous course Material Segregation of material being loaded; cold material delivered to site Laying Laying uring unsuitable weather conditions is completely unnacceptable Logitudinal Mats not laid tightly together; joint holding water (freeze/thaw issues)  Longitudinal Mats not laid tightly together; joint holding water (freeze/thaw issues)  Edge-sealing Kerbs and other edges No evidence sealing is being carried out Til/SDCC do not approve top-sealing with standard bitumen seal  Material must have min SRV (Skid Resistance Value) value of 55 (i.e. overbanding product)  Compaction to be carried out to specification for bound mixtures BS 594987 Clause 9.1, 9.2 & 9.  Min bod coat - 0.7litres/m²; solution must be allowed to oxidise & become tacky Bs 594987 Clause 5.5  Better quality control by Builder, and supervision of Sub-Contractor; temp control BS 594987 Clause 4.1 & 4.2  Better programming & quality control by Builder, and supervision of Sub-Contractor BS 594987 Clause 9.1, 9.2 & 9.  Compaction requirements for bound materials must be met BS 594987 Clause 9.1, 9.2 & 9.  Compaction requirements for bound materials must be met BS 594987 Clause 9.1, 9.2 & 9.  Better quality control by Builder, and supervision of Sub-Contractor BS 594987 Clause 6.8  Edge-sealing  Kerbs and other edges No evidence sealing is being carried out Better quality control by Builder, and supervision of Sub-Contractor BS 594987 Clause 6.9  Compaction requirements for bound materials must be met BS 594987 Clause 9.1, 9.2 & 9.  Better quality control by Builder, and supervision of Sub-Contractor BS 594987 Clause 6.9  BS 594987 Clause 6.9  BS 594987 Clause 6.9  BS 594987 Clause 9.1 & 4.2  BS 594987 Clause 9.1	Material	Segregation of material being loaded; cold material delivered to site	Better quality control by Builder, and supervision of Sub-Contractor; temp control	BS 594987 Clause 4.1 & 4.2
Binder course & Surface course Protection of the exposed surface (Base) Contaminated, open texture filled with clay/dirt  Bond coat between every bituminous course Mot being applied; not being verified; SDCC must receive notice of laying Material Segregation of material being loaded; cold material delivered to site Laying Laying during unsuitable weather conditions is completely unnacceptable Incorrect compaction procedures being employed  Longitudinal Mats not laid tightly together; joint holding water (freeze/thaw issues)  Edge-sealing No evidence sealing is being carried out  Topsealing: Longitudnal joints TII/SDCC do not approve top-sealing with standard bitumen seal  Material must have min SRV (Skid Resistance Value) value of 55 (i.e. overbanding product)  Material surface (Base)  Contaminated, open texture filled with clay/dirt Prevention in the first instance; housekeeping; reduce time between laying courses  BS 594987 Clause 5.1  Min bond coat - 0.7litres/m²; solution must be allowed to oxidise & become tacky BS 594987 Clause 5.5  Better quality control by Builder, and supervision of Sub-Contractor; temp control BS 594987 Clause 4.1 & 4.2  Better quality control by Builder, and supervision of Sub-Contractor BS 594987 Clause 6.9  Segregation of material being carried out BETT quality control by Builder, and supervision of Sub-Contractor BS 594987 Clause 6.9  Waterial must have min SRV (Skid Resistance Value) value of 55 (i.e. overbanding product)  Temperatures	Laying	Laying during unsuitable weather conditions (i.e. heavy rain, cold temps)	Better programming	BS 594987 Clause 6.1, 6.2, 6.3 & 6.4
Protection of the exposed surface (Base)  Bond coat between every bituminous course  Mot being applied; not being verified; SDCC must receive notice of laying Material  Segregation of material being loaded; cold material delivered to site  Laying Laying during unsuitable weather conditions is completely unnacceptable  Compaction  Incorrect compaction procedures being employed  Joints  Longitudinal  Mats not laid tightly together; joint holding water (freeze/thaw issues)  Edge-sealing  Kerbs and other edges  No evidence sealing is being carried out  Topsealing:  Longitudunal joints  Til/SDCC do not approve top-sealing with standard bitumen seal  Til/SDCC do not approve top-sealing with standard bitumen seal  Mot being applied; into teing verified; SDCC must receive notice of laying Min bond coat - 0.7litres/m²; solution must be allowed to oxidise & become tacky  BS 594987 Clause 5.5  Better quality control by Builder, and supervision of Sub-Contractor; temp control  Better quality control by Builder, and supervision of Sub-Contractor  Better quality control by Builder, and supervision of Sub-Contractor  Better quality control by Builder, and supervision of Sub-Contractor  Better quality control by Builder, and supervision of Sub-Contractor  Better quality control by Builder, and supervision of Sub-Contractor  Better quality control by Builder, and supervision of Sub-Contractor  Better quality control by Builder, and supervision of Sub-Contractor  Better quality control by Builder, and supervision of Sub-Contractor  Better quality control by Builder, and supervision of Sub-Contractor  Better quality control by Builder, and supervision of Sub-Contractor  Better quality control by Builder, and supervision of Sub-Contractor  Better quality control by Builder, and supervision of Sub-Contractor  Better quality control by Builder, and supervision of Sub-Contractor  Better quality control by Builder, and supervision of Sub-Contractor  Better quality control by Builder, and supervision of Sub-Contractor  Better quality c	Compaction	Incorrect compaction procedures being employed	Compaction to be carried out to specification for bound mixtures	BS 594987 Clause 9.1, 9.2 & 9.3
Bond coat between every bituminous courseNot being applied; not being verified; SDCC must receive notice of laying MaterialMin bond coat - 0.7litres/m²; solution must be allowed to oxidise & become tackyBS 594987 Clause 5.5MaterialSegregation of material being loaded; cold material delivered to site LayingBetter quality control by Builder, and supervision of Sub-Contractor; temp controlBS 594987 Clause 4.1 & 4.2LayingLaying during unsuitable weather conditions is completely unnacceptable Incorrect compaction procedures being employedBetter programming & quality control by Builder, and supervision of Sub-ContractorBS 594987 Clause 6.1, 6.2, 6.3CompactionIncorrect compaction procedures being employedCompaction requirements for bound materials must be metBS 594987 Clause 9.1, 9.2 & 9.JointsMats not laid tightly together; joint holding water (freeze/thaw issues)Better quality control by Builder, and supervision of Sub-ContractorBS 594987 Clause 6.8Edge-sealingBetter quality control by Builder, and supervision of Sub-ContractorBS 594987 Clause 6.8Kerbs and other edgesNo evidence sealing is being carried outBetter quality control by Builder, and supervision of Sub-ContractorBS 594987 Clause 6.9Topsealing:Longitudunal jointsTII/SDCC do not approve top-sealing with standard bitumen sealMaterial must have min SRV (Skid Resistance Value) value of 55 (i.e. overbanding product)TemperaturesTII/SDCC do not approve top-sealing with standard bitumen sealMaterial must have min SRV (Skid Resistance Value) value of 55 (i.e. overbanding product)	Binder course & Surface course			
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Laying during unsuitable weather conditions is completely unnacceptable Compaction Incorrect compaction procedures being employed Compaction requirements for bound materials must be met BS 594987 Clause 6.1, 6.2, 6.3  Joints Joints Longitudinal Mats not laid tightly together; joint holding water (freeze/thaw issues) Edge-sealing Kerbs and other edges No evidence sealing is being carried out Longitudunal joints Til/SDCC do not approve top-sealing with standard bitumen seal Temperatures  BE tter programming & quality control by Builder, and supervision of Sub-Contractor BS 594987 Clause 6.1, 6.2, 6.3 BE tter programming & quality control by Builder, and supervision of Sub-Contractor BS 594987 Clause 6.9 BE tter quality control by Builder, and supervision of Sub-Contractor BS 594987 Clause 6.9 BE 59		Not being applied; not being verified; SDCC must receive notice of laying	Min bond coat - 0.7litres/m²; solution must be allowed to oxidise & become tacky	BS 594987 Clause 5.5
Laying during unsuitable weather conditions is completely unnacceptable Compaction Incorrect compaction procedures being employed Compaction requirements for bound materials must be met BS 594987 Clause 6.1, 6.2, 6.3  Joints Joints Longitudinal Mats not laid tightly together; joint holding water (freeze/thaw issues) Edge-sealing Kerbs and other edges No evidence sealing is being carried out Longitudunal joints Til/SDCC do not approve top-sealing with standard bitumen seal Temperatures  BE tter programming & quality control by Builder, and supervision of Sub-Contractor BS 594987 Clause 6.1, 6.2, 6.3 BE tter programming & quality control by Builder, and supervision of Sub-Contractor BS 594987 Clause 6.9 BE tter quality control by Builder, and supervision of Sub-Contractor BS 594987 Clause 6.9 BE 59	Material	Segregation of material being loaded; cold material delivered to site	Better quality control by Builder, and supervision of Sub-Contractor; temp control	BS 594987 Clause 4.1 & 4.2
CompactionIncorrect compaction procedures being employedCompaction requirements for bound materials must be metBS 594987 Clause 9.1, 9.2 & 9.JointsJointsMats not laid tightly together; joint holding water (freeze/thaw issues)Better quality control by Builder, and supervision of Sub-ContractorBS 594987 Clause 6.8Edge-sealingNo evidence sealing is being carried outBetter quality control by Builder, and supervision of Sub-ContractorBS 594987 Clause 6.8Topsealing:No evidence sealing is being carried outBetter quality control by Builder, and supervision of Sub-ContractorBS 594987 Clause 6.9Topsealing:Incorrect compaction of Sub-ContractorBS 594987 Clause 6.9Topsealing:Material must have min SRV (Skid Resistance Value) value of 55 (i.e. overbanding product)TemperaturesIncorrect compaction of Sub-ContractorIncorrect compaction of Sub-Contractor		Laying during unsuitable weather conditions is completely unnacceptable	Better programming & quality control by Builder, and supervision of Sub-Contractor	BS 594987 Clause 6.1, 6.2, 6.3 & 6.4
Longitudinal Mats not laid tightly together; joint holding water (freeze/thaw issues)  Edge-sealing Kerbs and other edges No evidence sealing is being carried out Topsealing: Longitudunal joints Till/SDCC do not approve top-sealing with standard bitumen seal Temperatures  Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervision of Sub-Contractor Better quality control by Builder, and supervisi	Compaction			BS 594987 Clause 9.1, 9.2 & 9.3
Edge-sealingEdge-sealingEdge-sealing is being carried outBetter quality control by Builder, and supervision of Sub-ContractorBS 594987 Clause 6.9Topsealing:In June 10 June 12 June 12 June 13 June 14 June 14 June 15 June 14 June 15 June 14 June 15 June 14 June 16	Joints			
Kerbs and other edges No evidence sealing is being carried out Better quality control by Builder, and supervision of Sub-Contractor BS 594987 Clause 6.9  Topsealing: Longitudunal joints TII/SDCC do not approve top-sealing with standard bitumen seal Temperatures  Material must have min SRV (Skid Resistance Value) value of 55 (i.e. overbanding product)	Longitudinal	Mats not laid tightly together; joint holding water (freeze/thaw issues)	Better quality control by Builder, and supervision of Sub-Contractor	BS 594987 Clause 6.8
Topsealing: Longitudunal joints TII/SDCC do not approve top-sealing with standard bitumen seal Material must have min SRV (Skid Resistance Value) value of 55 (i.e. overbanding product) Temperatures	Edge-sealing			
Longitudunal joints TII/SDCC do not approve top-sealing with standard bitumen seal Material must have min SRV (Skid Resistance Value) value of 55 (i.e. overbanding product)  Temperatures	Kerbs and other edges	No evidence sealing is being carried out	Better quality control by Builder, and supervision of Sub-Contractor	BS 594987 Clause 6.9
Temperatures	Topsealing:			
	Longitudunal joints	TII/SDCC do not approve top-sealing with standard bitumen seal	Material must have min SRV (Skid Resistance Value) value of 55 (i.e. overbanding product)	
	Temperatures			
Min on Arrival See Table A.1 (Range 110-140° C)   Material & mix dependent   BS 594987 Table A.1	Min on Arrival	See Table A.1 (Range 110-140° C)	Material & mix dependent	BS 594987 Table A.1
Min immediately prior to Rolling See Table A.1 (Range 80-110° C) Material & mix dependent BS 594987 Table A.1	Min immediately prior to Rolling	See Table A.1 (Range 80-110° C)	Material & mix dependent	BS 594987 Table A.1
Gradients Ponding Min 1:100 longitudinal; 1:40 crossfall	Gradients	Ponding	Min 1:100 longitudinal; 1:40 crossfall	