

## REINSTATEMENT – CONCRETE PRODUCTS

Concrete products such as slabs, edgings, kerbs and blocks are heavy and should be handled by mechanical methods where possible.

Concrete in its fluid state is corrosive and will cause burns and irritation if it comes into contact with areas of exposed skin.

It is corrosive to the eyes and steps must be taken to avoid contact.

The main hazards with reinstatement white work are:

- Injury due to poor manual handling of concrete products.
- Incorrect storage of concrete products.
- Incorrect transporting of concrete products.
- Poor handling of wet concrete.
- Concrete burns.
- Contamination of the environment.
- Use of powered saw.

### Precautions to prevent injury

- Where possible use mechanical means to handle concrete products e.g. slab and kerb lifters).
- Store concrete products flat and never lean them against walls or each other.
- Transport concrete products flat on the bed of the vehicle. If items are palletised, check they are secure at the start and again at the end of the journey before cutting the banding.
- Handle wet concrete with care and wear appropriate PPE.
- Do not kneel on wet concrete to prevent soaking through clothing.
- Where concrete is to be laid against soil, a polythene barrier should be placed to protect against contamination.
- Plant and equipment is only to be operated by trained and competent personnel.
- Plant is to be maintained with the barriers.
- Anchor underground services if using foam concrete.

### NEVER

- Lift products that are too heavy.
- Lean or stack concrete products.
- Kneel or stand in wet concrete.

### ALWAYS

- Clean up spillages of concrete and clear stains.
- Wear the correct PPE for handling concrete and concrete products.

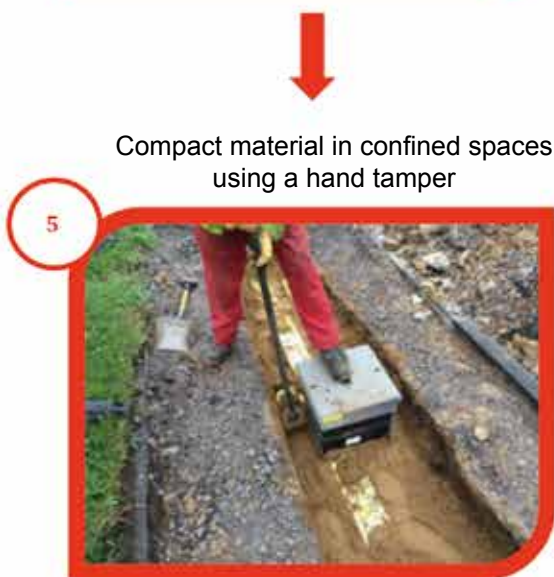
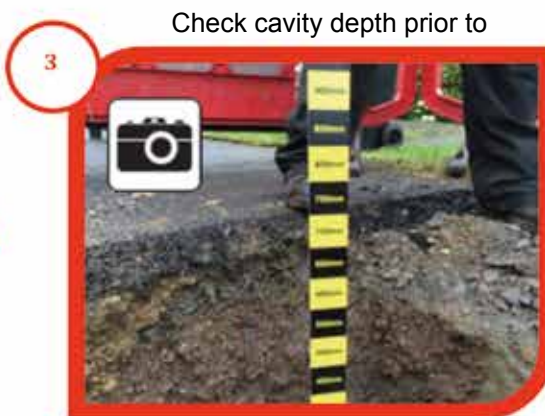
**ALWAYS COMPLY WITH THE SPECIFICATION FOR THE REINSTATEMENT OF OPENINGS IN HIGHWAYS**



### Reinst8-ment™



Excavated material should be covered when being reused



Repair any damaged apparatus caused by the excavation works. If this is not possible report it to your supervisor



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Clegg testing to be carried out on each layer of construction			
Reinstatement Level	Fourth Drop Impact Value		
	Target Value	Typical Range	Highest Likely
Trench Bed	7	7 - 8	30
Top of Finefill	10	10 - 17	-
Top of Backfill	18	17 - 27	-
Top of Subbase	22	24 - 27	-
Top of Roadbase	30	32 - 34	38

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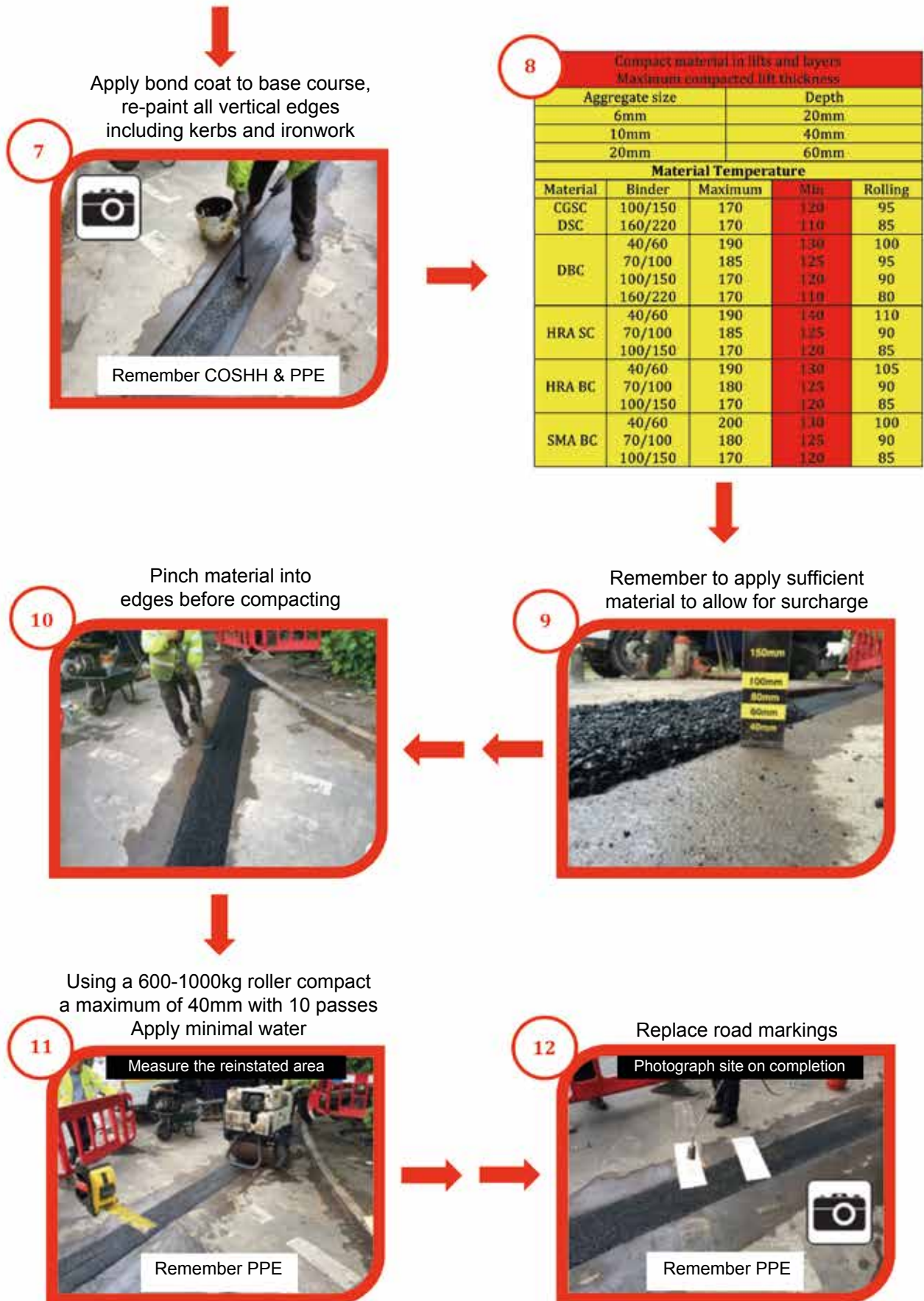


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## Reinst8-ment™

1

Ensure you have with you

Tape Measure



Watering can fitted with a fine rose

2

Check the cavity depth is correct



4

Re-Compact sub-base



Remember PPE

3

Trim Reinstatement as required



Remember PPE

5

Clean & paint all vertical edges including kerbs and ironwork



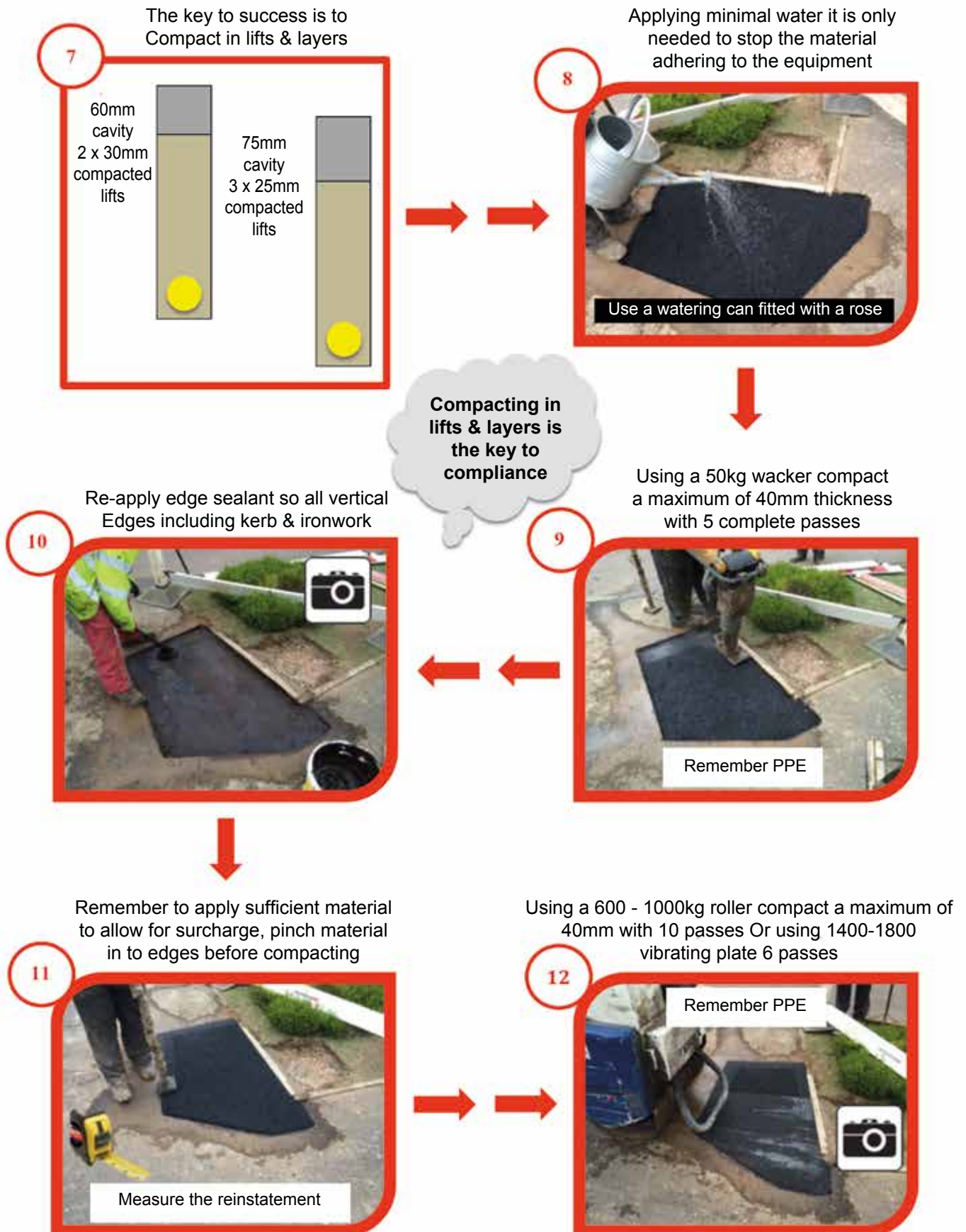
6

Compact material in lifts and layers  
Maximum compacted lift thickness

Aggregate size		Depth		
6mm		20mm		
10mm		40mm		
20mm		60mm		
Material Temperature				
Material	Binder	Maximum	Min	Rolling
CGSC	100/150	170	120	95
DSC	160/220	170	110	85
DBC	40/60	190	130	100
	70/100	185	125	95
	100/150	170	120	90
	160/220	170	110	80
HRA SC	40/60	190	140	110
	70/100	185	125	90
	100/150	170	120	85
HRA BC	40/60	190	130	105
	70/100	180	125	90
	100/150	170	120	85
SMA BC	40/60	200	130	100
	70/100	180	125	90
	100/150	170	120	85

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