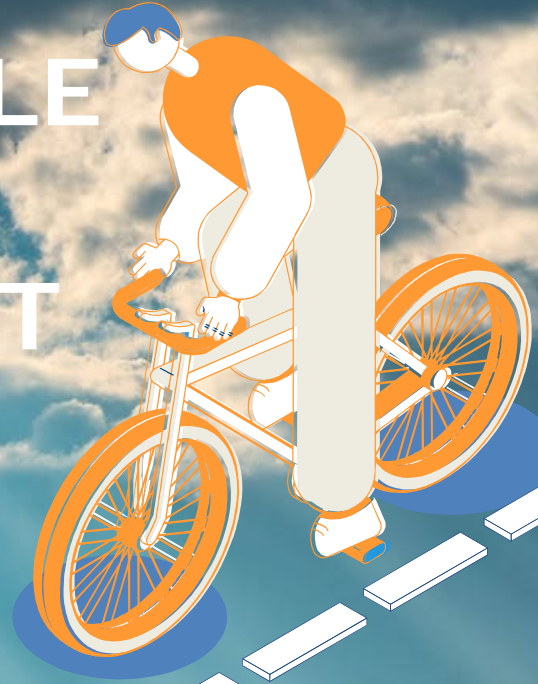


CREATING A BICYCLE HEAVEN WITH COLOURED ASPHALT

The International Coloured Asphalt Foundation
Bart Helincks and Sheranie van Hassel



COLOURED ASPHALT



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ICAF

- International Coloured Asphalt Foundation
- Members
- Education, technical advice
- Inspiration on possibilities with coloured asphalt

■ **Why promote cycling?**



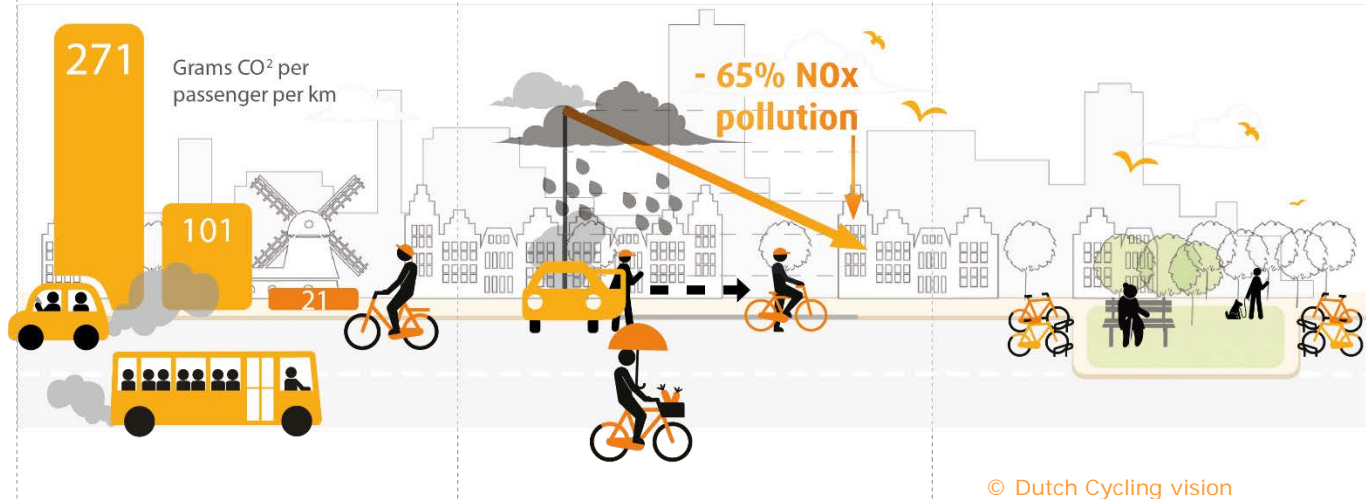
Cycling is good for our planet and our cities



Bicycle use reduces
CO₂ footprint

Cycling improves the
local air quality

Cycling helps to
improve the quality of
our public space



© Dutch Cycling vision

Cycling leads to a healthier life

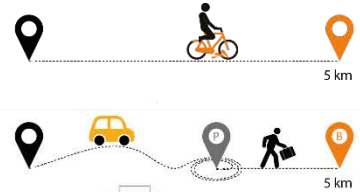
Cycling keeps you
in shape



Cycling increases
happiness



Cycling saves you time



© Dutch Cycling vision

Cycling leads to safer cities

Cycling cities have fewer casualties among cyclists



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■ So, how can the infrastructure of your city support cycling?





Cycling infrastructure

- Safety is key!
- Fast and safe mode of travelling
- Cyclists must be visible and prioritized at the intersections
- Minimize contact between cyclists and other road users
- A bike lane network must be extensive and interconnected
- Bike paths must be clearly recognizable; **colour!**



Cycling infrastructure

- Separate bike lanes
- Limit the driving speed of motorized vehicles to 30 km/h
- Cycle street
- Fast cycle route / cycle highway



Why use coloured road surfaces?





Reasons for coloured asphalt

- Improve visibility
- Create a comprehensible traffic situation
- Enhance traffic safety
- Provide aesthetic benefits
- Quickly open to traffic
- Wide range of colours possible
- Durable paving
- High comfort for all users
- Economical: investment and maintenance

■ Showcasing
coloured asphalt:
*examples and
applications*





URBAN ARR



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Light coloured asphalt

- Positive impact on the **urban heat island effect**
- Energy savings (less lighting required, e.g. tunnel)
- Better visibility of road users
- Increased traffic safety



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Colours

- Iron oxide red
- Iron oxide yellow
- Iron oxide brown
- Iron oxide black
- Titanium white
- Cobalt /phthalo blue
- Chromium oxide green
- And more...



Powder Pigments

- There's no doubt if the site uses powder pigment; pollution
- Health risks (fine dust, inhalation)
- If something goes wrong, it will become a big mess!



Pelletised Pigments (ColorFalt)

- Absolutely dust-free
- Higher colouring strength
- Durable
- Positive Life Cycle Analysis
- Extra stability
- Easy to dose and easy applicable

“ A precise balance between pigment, type of bitumen, filler, and aggregate is key for achieving the best and longest-lasting result. ”

Jeroen Venema



Achieving the best result

- Testing
- Raw materials
- Production
- Application



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The future of coloured asphalt

- Increased demand for improved cycling infrastructure (EU)
- Safe and comprehensible traffic situation
- More application with coloured asphalt





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Questions?

Thank you for your attention!



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