The Shell Mexphalte C range is a synthetic range of binders that has been designed to deliver the comfort and performance of an asphalt pavement and the advantages of a colourable material.

Benefits compared to pavements based on other colourable material include:

- Wide range of long-lasting colours possible
- Greater creativity for landscape and architectural applications
- Harmonisation of the pavement into its’ surroundings
- Increased safety due to higher contrast
- Surface and colour homogeneity
- Increased ride comfort and reduced noise
- Quicker to open to traffic
- Mechanical resistance – equal to that of a conventional asphalt mixture
- Easy to maintain – easy to repair
- Energy savings in tunnels
- Cost effective and durable
Shell Mexphalte C – For individual design of surfaces and sites

Your colour solution

Shell Mexphalte C is a synthetic clear binder designed to produce coloured hot mix asphalt for a long lasting coloured pavement. It has a similar mechanical performance to conventional bitumen, and is easy to apply, as no special laying equipment is required. Shell Mexphalte C can be used to enhance the natural colour and texture of aggregates, and can be easily coloured using small amounts of pigments to provide an extensive colour palette.

The benefits of colour

Coloured pavements are being used more and more frequently in the modern urban development. They offer a wide range of benefits to everyone involved, from designers and architects, to builders and local authorities, and, most importantly, the public. Shell Mexphalte C can offer additional safety, through helping to control and guide traffic, whilst improving comfort and reducing noise for users, when compared to concrete based solutions.

Improved resistance to damage

A clear light coloured surface means that pavements will reflect more light compared to conventional asphalt surfaces, thus lowering the pavement’s overall temperature. When using the right grade, this can, in turn, contribute to less damage rendering your pavement more cost effective. In pedestrian applications a lower temperature surface translates into lower heat radiation for users.

Ease and speed of application

Using Shell Mexphalte C requires no special training or equipment; it is used and applied in the same fashion and at the same speed as conventional asphalt. Overall it is a simple proven process that can add value for all stakeholders involved.

Application

- Light traffic & Cold climates
- General application
- Heavy traffic loads & Hot climates
- Mastic Asphalt
- Hardening Agent

Product

- Shell Mexphalte C 70/100
- Shell Mexphalte C 35/50, C 12, C P1
- Shell Mexphalte C P2
- Shell Mexphalte C 35/50 Asphalte
- Shell Mexphalte C 5

Tunnels

A light coloured surface can increase contrast to the human eye making cars and obstacles more visible in a tunnel, helping to facilitate driving and to improve safety. Using Shell Mexphalte C the light coloured surface can also help contribute to electricity cost savings due to the increased visibility and reduced need for lighting.

During application a lower temperature product will reduce heat radiation and fumes, thus allowing safer handling, and improved workability during laying operations, which is key when operating in enclosed spaces, such as tunnels.

Architectural Applications & Heritage Sites

The colourable nature of Shell Mexphalte C allows for greater creativity in landscape and architectural applications. Shell Mexphalte C can reduce contrast, making objects appear larger than they are. It can also increase attractiveness by harmonising buildings with their environment, making it ideal for heritage sites.

The workable nature of Shell Mexphalte C allows for surface texturing and decorating that enhances the artistic capabilities that this wide range of solutions offers.

Shell Mexphalte C has been successfully used in:

- Historical monuments
- Parks
- Squares
- Sports venues
- Stadiums
- Boardwalks and promenades
- Office buildings
- Car parks

Safety Demarcation

Coloured lanes offer contrast and have the potential to increase safety by clearly differentiating where different types of traffic, such as cars, buses, bicycles and pedestrians should travel. Shell Mexphalte C can be used to stress safety indications and raise further awareness amongst drivers and pedestrians during transit.

Shell Mexphalte C may be used in:

- Bicycle & pedestrian lanes
- Bus lanes
- Speed regulation
- Crossing paths in roundabouts
- School exits
- Multi functional lanes