



TECHNICAL NOTICE

Colquick®

Performance
in maintenance service

Colquick®, for quality in repairs

Colquick® is a ready-to-use cold mix that hardens in the presence of water to quickly attain the performance of a hot mix.

Black or colored, Colquick® is available in buckets for minor repairs under any traffic.



OVERVIEW

- Colquick® is a perfectly coated and storable cold mix, a feature that allows easy manual application on smaller surface areas.
- Colquick® hardens in the presence of water within 30 minutes, and attains the performance of an asphalt hot mix in 24 hours.
- Its particle size is typically 0/4 or 0/6.
- Glossy black in color, it may, upon request, be colored red or green.
- It is packaged in sealed 20 kg pails.
- Repairs done with Colquick® are long-lasting even under heavy traffic without rutting or creep.
- Colquick® generates no VOC as it contains no volatile compounds or diluents.
- Colas provides the manufacture, packaging and marketing of Colquick®.
- Colquick® is safe for humans and does not require regulatory labeling.
- Colquick® is a registered trademark and patented by Colas.



APPLICATIONS

- Colquick® is designed for spot repairs and small maintenance jobs.
- The rapid increase in cohesion and high level of performance sets it apart from the competition. It's ideal in situations where a quick response and re-admission of traffic is a major requirement.
- Colquick® is applicable to wearing courses in all types of traffic (even highways).
- It is well suited for:
 - sealing potholes,
 - localized reprofiling,
 - repairing trenches,
 - maintenance of sidewalks, garden paths, bike trails,
 - improving appearance,
 - sealing plugs,
 - sealing areas around poles,
 - etc.





ENVIRONMENTALLY
FRIENDLY



QUICK
MAINTENANCE



QUICK
APPLICATION



QUALITY



SAFETY

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CHARACTERISTICS

- With favorable weather conditions, the performance of the Colquick® mix increases very strongly and very rapidly in the 24 hours after the end of compaction.
- Mix performance then progresses more slowly to reach a maximum after 15 days.

DURIEZ

- Laboratory studies show that after 24 hours Duriez resistance is that of a hot mix.
- In 48 hours, 85% of Colquick® final optimum performance is attained.

RUTTING

- After 7 days of storage (18°C, 50% relative humidity) the rutting rate after 30,000 cycles at 60°C is 5.0%, which corresponds to the value specified for a semi-coarse asphalt mix (BBSG).

RECOMMENDATIONS

- The granular skeleton will conform to applicable specifications defined by NF P 18-545 and NF EN 13043 if Colquick® is applied to the surface of the road with very heavy traffic.
- In cold temperatures, the increase in cohesion is slower, increasing response times and resumption of traffic.
- Colquick is 100% recyclable at the end of its service life.



PRODUCTION AND IMPLEMENTATION

- Colquick® is ready to use.
- An open bucket must be re-closed, stored in a dry place and used within 24 hours.
- The durability of the repair depends on the care taken during the preparation phase.



The Colquick®

- ◆ Hardens quickly (30 minutes)
- ◆ Has the performance of a hot mix (in 24 hours)
- ◆ Does not rut
- ◆ Does not creep
- ◆ Resistant to high traffic
- ◆ Does not contain volatile solvents
- ◆ Does not emit Volatile Organic Compounds (VOC)

PRODUCTION AND IMPLEMENTATION (CONTINUED)

■ Implementation is simple and easy, but must follow the procedure outlined below:

1. Preparing the pothole is a crucial point: sweep to remove free-standing water and un-related items (fines, gravel, etc.).

2. Pour Colquick® in the pothole by spreading with a trowel in a single layer if the depth is ≤ 4 cm. If the pothole is deeper, apply successive layers of 5 cm to 6 cm thick.

3. Water the surface of the mix moderately and evenly.

- The amount of water needed for setting Colquick® is about 2% of the weight of the asphalt mix.
- This means that for a 20 kg bucket of Colquick®, 400 g of water is sufficient for its setting.
- The flow of water in the interstices of the mix initiates the cohesion increase reaction
- Too much water delays the setting of Colquick® and significantly reduces its mechanical performance.

4. Compact the asphalt.

- Compaction is done mostly with a hand-held tamper.
- For repairing a larger area, one can use a vibrating plate or cylinder, making several passes in smooth or vibrating modes at specific points.

■ For small treated surfaces, and depending on the ambient weather conditions, slow speed traffic can be resumed between 15 and 45 minutes after compaction.

■ For larger areas, traffic can resume after 2 hours (for a temperature of 25°C).

■ In 24 hours, optimal performance levels of Colquick® are attained.



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