

### Otrokovice

Expressway R55

**country:** Czech Republic

**realization:** 2002 – 2006

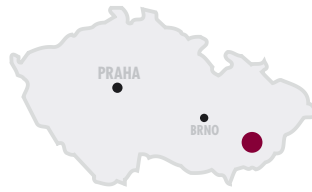
**material:** Kortex® GTPP 270/60, 320/50 ..... 50.000 m<sup>2</sup>



### KORTEX® GTPP

woven geotextile from PP tapes or strings for soil reinforcement, separation and filtration

**purpose of usage:**  
soil reinforcement, filtration, separation moreover resistant against unfavourable influence chemism in soil



The expressway is laid out in the direction of Olomouc – Přerov – Hulín – Otrokovice – Uherské Hradiště – Hodonín – D2 Motorway. R55 Expressway is necessary because the routes in relatively densely populated areas along the Morava River are congested.

The traffic intensity in this area is high already today (over 10 thousand vehicles a day).



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Factory Production Control  
Certificate 0799-CPD-19



# KORDÁRNA

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The 5504 construction of Otokovice bypass is 3.03 km long and it will be constructed in the R 24,5/120 category. There will be 2 flyover crossings and 8 bridges built on the route with the total length of 376 m. Other structures include dirt and purpose roads, adjustment of existing roads, noise barriers, demolition of cottages, sewerage system, melioration works, public lighting, traffic light signals at crossroads, motorway SOS phone system, landscaping, replacement planting, reclamation and relaying of underground services (water piping, sewerage system, telephone cables, gas piping, trolley lines). The provision of the filling material for the road embankment including the distribution routes is a part of the fulfilment.

The construction includes the connection to the existing I/55 Road in the S 22,5/80 category with the length of 0.8 km, I/49 road relocation in the S 22,5/80 category with the length of 1.1 km and connection of Otokovice in the S 9,5/70 category with the length of 1.1 km.

In the road embankment, the proposed geotextiles provide reinforcement, filtration and separation functions. To interact these requirements, woven polypropylene geotextiles **Kortex® GTPP** featuring higher strength lines 320/50 and 270/60 were used. Moreover, polypropylene properties provide an excellent resistance of these geotextiles against adverse chemical reactions in the environment.

**investor:**

Ředitelství silnic a dálnic ČR s.p.,

Praha

**designer:**

DOPRAVOPROJEKT, a.s., Brno

**constructor:**

SSŽ, a.s., Zlín

**geological survey**

GEOSTAR, s.r.o., Brno

**realization:**

2002 – 2006

