

# InnRoad™ Protect

Innovations for Road

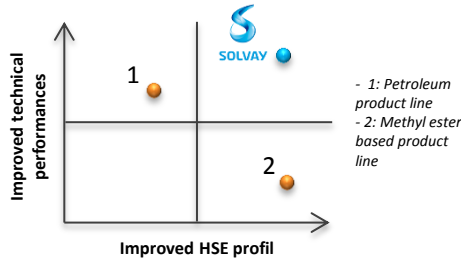


**SOLVAY**  
asking more from chemistry®



A new fluxing agent, highly differentiating compared to the current technologies:

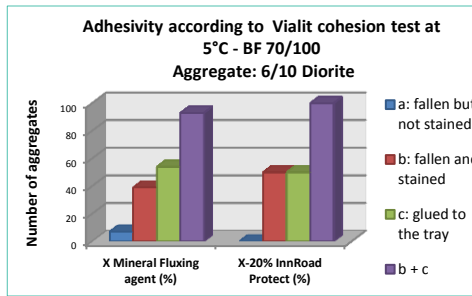
- **Efficient:** Quicker cohesion build-up and faster bitumen properties recovery
- **Versatile:** Can be used in all road technics which use fluxing agents
- **Safe:** No labelling, compared to petroleum based fluxing agents



## Efficiency of InnRoad Protect™

### Surface dressing with fluxed bitumen

Fluxing agent	Mineral fluxing agent	InnRoad Protect
Content by weight (%)	X	X - 20%
Pseudo-viscosity STV 40°C, 10mm (s) - NF EN 12846-2 / 13302	440	468
Stabilization & Recovery BF - NF EN 13074-1&2		
Relative weight loss of the fluxing agent after stabilization and recovery (%)	48	88
Penetrability at 25°C (1/10mm) - NF EN 1426	124	66
Softening point (°C) - NF EN 1427	43	48

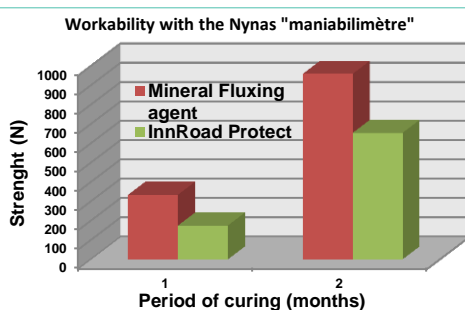
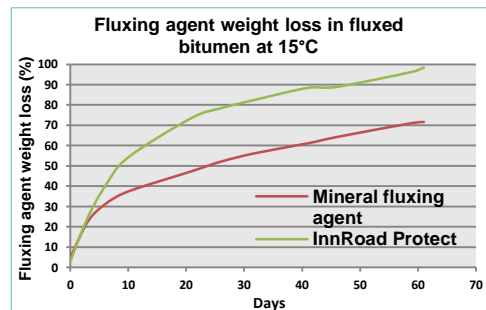


- Better fluxing power (-20%), also confirmed with fluxed PMB
- Faster binder properties recovery
- Same adhesivity performances according to Vialit cohesion test

### Additional benefits

- Faster cohesion build-up: better performances at the young age and thus, durability is improved
- Quicker bitumen properties recovery: less bleeding during hot peak season
- Better fluxing power e.g., -45% for microsurfacing
- Extend maintenance seasonality to benefit from the last year credit
- Works for several road technics (with fluxed bitumens and fluxed emulsions)
- Can be stored in mobile asphalt plant
- Biodegradable
- Excellent safety profile for both workers and environment

### Storable mixes with fluxed bitumen



- Workability significantly improved at same dosage of fluxing agent, even after 2 months storage
- Faster evaporation with InnRoad™ Protect at low temperature
- Cohesion and consistence are better with InnRoad™ Protect after 2 months