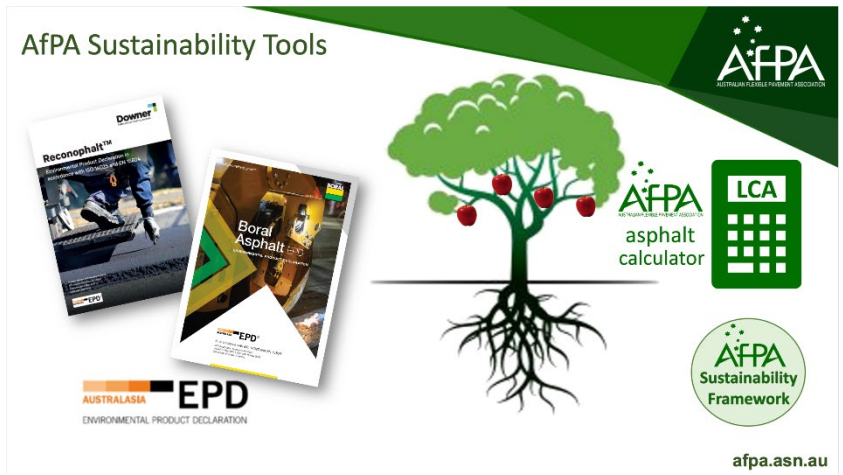


AfPA LCA Calculator for Asphalt released

Released to the public after the September 2021 National Sustainability Committee meeting, the LCA Calculator for Asphalt links the data collection at asphalt plant level through the Sustainability Framework to direct reporting on Green House Gases CO2 eq and IS EnviroPoints assessment. Developed by Rob Rouwette of start2see and evaluated independently by AfPA members, the LCA Calculator provides the bridging link between EPD's generated through the AfPA Product Category Rules appendix and the Sustainability Framework for Asphalt.



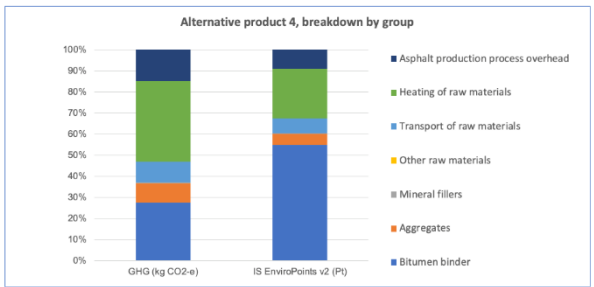
Apart from the ability for users of the AfPA LCA Calculator to optimise their mix designs and plant operations against the metrics of plant level carbon footprint, it will also allow for direct assessment and verification of carbon neutral asphalt products.

Results - Environmental profiles (EN 15804+A1)
 Wednesday, 6 October 2021
 These results have not been independently reviewed.

Alternative Product 4
 BINE WMA (30%RAP), Warm mix product
 Manufactured at Brisbane plant

Scope	Indicator	Unit	Climate change kg CO ₂ eq	IS EnviroPoints v2 Pt
Cradle-to-gate				
Bitumen binder	A1		15.4	0.48
Aggregates	A1		5.0	0.05
Mineral fillers	A1		0.2	0.00
Other raw materials	A1		0.0	0.00
Transport of raw materials	A2		5.6	0.06
Heating of raw materials	A3		28.3	0.21
Asphalt production process overhead	A3		8.3	0.08
Cradle-to-gate		Per tonne of asphalt	55.7	0.88

Underlying principle of the AfPA LCA Calculator is the use of common AusLCI datasets and uniformity of approach with the IS Council's Materials Calculator. The goal is to ensure maximum interoperability in the future for other sustainability assessment tools in Australia.



Regular updates to the datasets and bug fixes are envisaged to the publicly available calculator which requires registration from users to ensure the latest version is being used.

Registration and download in spreadsheet form is available from the link below.
<https://form.123formbuilder.com/6005084/form>

