MODULE	**INDUSTRIAL PROCESSES**
SUBMODULE	**PRODUCTION AND USE OF MISCILLANEOUS MINERAL PRODUCTS**
WORKSHEET	**2-5**
SHEET	**1 OF 5 ASPHALT ROOFING PRODUCTION- NMVOC - EMISSIONS**

STEP 1

Process Type	A Quantity of Asphelt Roofing Produced (t)	B Emission Factor (kg NMVOC/t asphelt roofing produced)	C NMVOC Emitted (kg)	D NMVOC Emitted (Gg)
			C = (A x B)	D = C/10^6
Saturation Process	0	0.16	0	0
Blowing Process	2,550	2.4	6120	0.00612
			Total (Gg):	0.00612

MODULE	**INDUSTRIAL PROCESSES**
SUBMODULE	**PRODUCTION AND USE OF MISCELLANEOUS MINERAL PRODUCTS**
WORKSHEET	**2-5**
SHEET	**2 OF 5 ASPHALT ROOFING PRODUCTION - CO - EMISSIONS**

STEP 2

A Quantity of Asphelt Roofing Produced (t)	B Emission Factor (kg CO2/t asphelt roofing produced)	C CO Emitted (kg)	D CO Emitted (Gg)
		C = (A x B)	D = C/10^6
2,550	0.0095	24.225	0.000024225

MODULE	**INDUSTRIAL PROCESSES**
SUBMODULE	**PRODUCTION AND USE OF MISCELLANEOUS MINERAL PRODUCTS**
WORKSHEET	**2 - 5**
SHEET	**3 OF 5 ROAD PAVING WITH ASPHALT - NMVOC - EMISSIONS**

STEP 3

Emission Source	A Quantity of Road Paving Material Used (t)	B Emission Factor (kg NMVOC/t road paving material used)	C NMVOC Emitted (kg)	D NMVOC Emitted (Gg)
			C = (A x B)	D = C/10^6
Asphalt Plant	844,035	0.023	19412.805	0.019
Road Surface	844,035	320	270091200	270.091
			Total (Gg):	270.111

MODULE	**INDUSTRIAL PROCESSES**
SUBMODULE	**PRODUCTION AND USE OF MISCELLANEOUS MINERAL PRODUCTS**
WORKSHEET	**2-5**
SHEET	**4 OF 5 PRODUCTION OF OTHER MINERAL PRODUCTS - GLASS PRODUCTION -**
	NMVOC EMISSIONS

STEP 4

Glass Type	A Quantity of Glass Produced (t)	B Emission Factor (kg NMVOC/t Glass Produced)	C NMVOC Emitted (kg)	D NMVOC Emitted (Gg)
			C = (A x B)	$D = C/10^6$
Container Glass	56030	4.5	252135	0.252135
Flat Glass	15000	4.5	67500	0.0675
			Total (Gg):	0.319635

MODULE	**INDUSTRIAL PROCESSES**
SUBMODULE	**PRODUCTION AND USE OF MISCELLANEOUS MINERAL PRODUCTS**
WORKSHEET	**2-5**
SHEET	**5 OF 5 PRODUCTION of OTHER MINERAL PRODUCTS - CONCRETE**
	PUMIC STONE - SO_2 EMISSIONS

STEP 5

A Quantity of Concrete Pumic Stone Produced (t)	B Emission Factor (kg SO_2/t Concrete pumic stoneproduced)	C SO_2 Emitted (kg)	D SO_2 Emitted (Gg)
		C = (A x B)	$D = C/10^6$
0	0.5	0	0