

# WILDFIRE READY: HOW HOMES BURN

Wildfires can spread long distances from the mountains and veld into built-up areas.



## RADIANT HEAT

A wildfire can burn at between 800°C to 1200°C and generate enough radiant heat that any flammable material ahead of the fire becomes preheated. The fine fuels can then ignite carrying fire to heavier fuels. In this way a wildfire can spread rapidly across a landscape and into urban areas causing homes to ignite.



## EMBER ATTACK

During a wildfire, burning matter such as bark, twigs, leaf litter etc can be lifted into the air by the convective updraft of a wildfire and carried great distances. These embers can then cause ignitions when entering structures through small gaps and igniting any dry and combustible materials.



## STRUCTURE TO STRUCTURE

Once a structure, or a home, has ignited, the radiant heat given off is enough to cause the preheating of others close by. This can lead to further ignitions, spreading fire through the urban environment. One or two homes catching alight can cause a chain reaction which can destroy an entire block or suburb.

Protect your Property with Fire Resistant Materials and Defendable Space.



# Wildfire is Coming Are you #WildfireReady?