

is-interface-compose^{11,40}

$\forall A, B:\text{Type}, f:(A \rightarrow (B + \text{Top})), ds:(\text{Id} \rightarrow \text{Type}), da:(\text{Id} \rightarrow \text{Knd} \rightarrow \text{Type}), X:\text{Interface}(ds;da;A), es:\text{ES}.$
 $\text{es-decl}(es;ds;da)$
 $\Rightarrow (\forall e:\text{E}. (e \in_b [[\text{interface-compose}(f;X)]]) = ((e \in_b [[X]]) \wedge_b \text{can-apply}(f;[[X]](e))) \in \mathbb{B})$