### Phellinus pini (Brot.) Bondartsev & Singer

**Syn:** *Porodaedalea pini* (Brot.) Murrill  
Profile Group: Basidiomycota, Hymenochaetales, Hymenochaetaceae

| Macroscopic characters | Shape: Sessile; effused-relaxed; sometimes entirely resupinate; ungluate to planate; solitary to imbricate  
|------------------------|--------------------------------------------------------------------------------------------------|
| Size: Up to 9 x 13 x 8 cm  
| Texture: Corky to woody  
| Pileus: Reddish-brown to black; glabrous with age; rimose’; margin reddish-brown to yellow-brown  
| Stipe: None  
| Context: Reddish-brown; yellowish-brown; lustrous on cut surface; corky  
| Pore Surface: Yellowish-brown  
| Pores: Circular to angular; daedaleoid; 2-3 per mm  
| Tube Layer(s): Light colored within; indistinctly stratified; each layer up to 6mm thick

| Microscopic characters | Hyphal System: Monomitic; contextual hyphae brown, thin- or thick-walled and hyaline thin-walled hyphae  
|------------------------|--------------------------------------------------------------------------------------------------|
| Clamp Connections: None  
| Sterile Elements: Setae abundant; subulate to ventricose; thick-walled; 40-50 x 10-14 µm  
| Basidiospores: Ovoid; hyaline; becoming slightly yellowish in older hymenia; smooth; 4.5 -7 x 3.5-5 µm

| Habitat characters | Substrate/Host: On living conifers; a few reports on hardwoods  
|-------------------|--------------------------------------------------------------------------------------------------|
| Seasonality: Perennial  
| Type of Decay: White pocket rot of the heartwood of living conifers; the decay and fruiting at branch at stubs is commonly in the middle and upper trunks but *P. pini* occasionally causes a butt rot and fruits neat the base of the tree  
| Range: Widespread in coniferous forest regions of North America and circumglobal

| Notes | References: Gilbertson & Ryvarden, 1987; Grand & Vernia, 2004A
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Species distribution in North Carolina

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Last update: 16 May, 2011 by B.R. Cody
Last review: 16 May, 2011 by L.F. Grand
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