

hw-20161231

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hw-20161231

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  <element id="hw_Fi ni teLi vedI ntangi bl eAssetsAmorti zati onExpenseYearSi x"
name="Fi ni teLi vedI ntangi bl eAssetsAmorti zati onExpenseYearSi x" nil l abl e="true"
type="xbrli:monetaryI temType" substi tuti onGroup="xbrli:i tem"
xbrli:periodType="i nstant" xbrli:bal ance="debi t"
xml ns="http://www.w3.org/2001/XMLSchema" />
  <element

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id="hw_RedeemableNoncontrollingInterestEquityCommonCarryingAmountRollForward"
name="RedeemableNoncontrollingInterestEquityCommonCarryingAmountRollForward"
nille="true" type="xbrli:striptemtype" substitutongroup="xbrli:item"
abstract="true" xbrli:periodtype="duration" xmlns="http://www.w3.org/2001/XMLSchema"
/>
<element id="hw_OwnershipPercentageGuarantorSubsidiaries"
name="OwnershipPercentageGuarantorSubsidiaries" nille="true"
type="num:percentitemtype" substitutongroup="xbrli:item"
xbrli:periodtype="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_OwnershipPercentageNonGuarantorSubsidiariesMaximum"
name="OwnershipPercentageNonGuarantorSubsidiariesMaximum" nille="true"
type="num:percentitemtype" substitutongroup="xbrli:item"
xbrli:periodtype="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_SeniorSecuredTermLoanDueMarch2022Member"
name="SeniorSecuredTermLoanDueMarch2022Member" nille="true"
type="nonnum:domainitemtype" substitutongroup="xbrli:item" abstract="true"
xbrli:periodtype="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_DebtInstrumentPeriodicPaymentPrincipalPercentageBasis"
name="DebtInstrumentPeriodicPaymentPrincipalPercentageBasis" nille="true"
type="num:percentitemtype" substitutongroup="xbrli:item" xbrli:periodtype="instant"
xmlns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_IncrementalTermLoansAndDebtMember"
name="IncrementalTermLoansAndDebtMember" nille="true"
type="nonnum:domainitemtype" substitutongroup="xbrli:item" abstract="true"
xbrli:periodtype="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_DebtInstrumentScheduledQuarterlyRepaymentAmount"
name="DebtInstrumentScheduledQuarterlyRepaymentAmount" nille="true"
type="xbrli:monetaryitemtype" substitutongroup="xbrli:item"
xbrli:periodtype="duration" xbrli:balance="credit"
xmlns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_DebtInstrumentVariableRateBaseThirtiethDayLiabilityMember"
name="DebtInstrumentVariableRateBaseThirtiethDayLiabilityMember" nille="true"
type="nonnum:domainitemtype" substitutongroup="xbrli:item" abstract="true"
xbrli:periodtype="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_DebtInstrumentMinimumVariableRateFloor"
name="DebtInstrumentMinimumVariableRateFloor" nille="true"
type="num:percentitemtype" substitutongroup="xbrli:item"
xbrli:periodtype="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_DebtInstrumentSecondaryMarginOnVariableRate"
name="DebtInstrumentSecondaryMarginOnVariableRate" nille="true"
type="num:percentitemtype" substitutongroup="xbrli:item"
xbrli:periodtype="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_DebtInstrumentPrepaymentPremiumPercentage"
name="DebtInstrumentPrepaymentPremiumPercentage" nille="true"
type="num:percentitemtype" substitutongroup="xbrli:item"
xbrli:periodtype="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
<element
id="hw_MaximumPercentageOfAnnualExcessCashFlowRequiredToBeUsedForPrepaymentOfDebt"
name="MaximumPercentageOfAnnualExcessCashFlowRequiredToBeUsedForPrepaymentOfDebt"
nille="true" type="num:percentitemtype" substitutongroup="xbrli:item"
xbrli:periodtype="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_AnnualExcessCashFlowThresholdForRequiredPrepaymentOfDebt"
name="AnnualExcessCashFlowThresholdForRequiredPrepaymentOfDebt" nille="true"
type="xbrli:monetaryitemtype" substitutongroup="xbrli:item"
xbrli:periodtype="duration" xbrli:balance="debit"
xmlns="http://www.w3.org/2001/XMLSchema" />
<element
id="hw_PercentageOfNetProceedsOfNonOrdinaryCourseAssetSalesRequiredToBeUsedForPrepaymentOfDebt"
name="PercentageOfNetProceedsOfNonOrdinaryCourseAssetSalesRequiredToBeUsedForPrepaymentOfDebt"
nille="true" type="num:percentitemtype" substitutongroup="xbrli:item"
xbrli:periodtype="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
</element>
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id="hw_PercentageOfNetProceedsOfCertainIssuancesOfDebtRequiredToBeUsedForPrepaymentOfDebt"
name="PercentageOfNetProceedsOfCertainIssuancesOfDebtRequiredToBeUsedForPrepaymentOfDebt"
nille="true" type="num:percentItem" substitutionGroup="xbrli:item"
xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
  <element id="hw_ClaryMember" name="ClaryMember" nille="true"
type="nonnum:domainItem" substitutionGroup="xbrli:item" abstract="true"
xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
  <element id="hw_MetroRoofProductsMember" name="MetroRoofProductsMember"
nille="true" type="nonnum:domainItem" substitutionGroup="xbrli:item"
abstract="true" xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema"
/>
  <element id="hw_RoofingBusinessAcquisitionsMember"
name="RoofingBusinessAcquisitionsMember" nille="true"
type="nonnum:domainItem" substitutionGroup="xbrli:item" abstract="true"
xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
  <element id="hw_NumberOfAcquisitionsAggregated"
name="NumberOfAcquisitionsAggregated" nille="true" type="xbrli:integerItem"
substitutionGroup="xbrli:item" xbrli:periodType="duration"
xmlns="http://www.w3.org/2001/XMLSchema" />
  <element id="hw_OhiPowerCompanyMember" name="OhioPowerCompanyMember"
nille="true" type="nonnum:domainItem" substitutionGroup="xbrli:item"
abstract="true" xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema"
/>
  <element id="hw_BasisOfPresentationAbstract" name="BasisOfPresentationAbstract"
nille="true" type="xbrli:stringItem" substitutionGroup="xbrli:item"
abstract="true" xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema"
/>
  <element id="hw_BusinessCombinationsConsiderationFuturePaymentsAccruedCurrent"
name="BusinessCombinationsConsiderationFuturePaymentsAccruedCurrent" nille="true"
type="xbrli:monetaryItem" substitutionGroup="xbrli:item"
xbrli:periodType="instant" xbrli:balance="credit"
xmlns="http://www.w3.org/2001/XMLSchema" />
  <element id="hw_Acquisitions2016Member" name="Acquisitions2016Member"
nille="true" type="nonnum:domainItem" substitutionGroup="xbrli:item"
abstract="true" xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema"
/>
  <element id="hw_SyntheticMaterialSLIcMember" name="SyntheticMaterialSLIcMember"
nille="true" type="nonnum:domainItem" substitutionGroup="xbrli:item"
abstract="true" xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema"
/>
  <element id="hw_PersonalInjuryClaimsMember" name="PersonalInjuryClaimsMember"
nille="true" type="nonnum:domainItem" substitutionGroup="xbrli:item"
abstract="true" xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema"
/>
  <element id="hw_BuildingProductsMember" name="BuildingProductsMember"
nille="true" type="nonnum:domainItem" substitutionGroup="xbrli:item"
abstract="true" xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema"
/>
  <element id="hw_ConstructionMaterialMember" name="ConstructionMaterialMember"
nille="true" type="nonnum:domainItem" substitutionGroup="xbrli:item"
abstract="true" xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema"
/>
  <element id="hw_SeniorNotes725PercentDueJanuary2019Member"
name="SeniorNotes725PercentDueJanuary2019Member" nille="true"
type="nonnum:domainItem" substitutionGroup="xbrli:item" abstract="true"
xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
  <element id="hw_ConcreteRoofTileBusinessMember"
name="ConcreteRoofTileBusinessMember" nille="true" type="nonnum:domainItem"
substitutionGroup="xbrli:item" abstract="true" xbrli:periodType="duration"
xmlns="http://www.w3.org/2001/XMLSchema" />
  <element id="hw_DeckingManufacturingAssetsMember"
name="DeckingManufacturingAssetsMember" nille="true" type="nonnum:domainItem"

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substituti onGroup="xbrli:item" abstract="true" xbrli:periodType="duration"
xmlns="http://www.w3.org/2001/XMLSchema" />
  <element id="hw_KrestmarkIndustriesMember" name="KrestmarkIndustriesMember"
nilIbl="true" type="nonnum:domainItem" substituti onGroup="xbrli:item"
abstract="true" xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema"
/>
  <element id="hw_IncreaseDecreaseInOtherChangesInOperatingAssetsAndLiabilitiesNet"
name="IncreaseDecreaseInOtherChangesInOperatingAssetsAndLiabilitiesNet"
nilIbl="true" type="xbrli:monetaryItem" substituti onGroup="xbrli:item"
xbrli:periodType="duration" xbrli:balance="credit"
xmlns="http://www.w3.org/2001/XMLSchema" />
  <element
id="hw_BusinessAcquisitionPurchasePriceAllocatedOnPrepaidCompensationAmortizationPeri
od"
name="BusinessAcquisitionPurchasePriceAllocatedOnPrepaidCompensationAmortizationPeri
od" nilIbl="true" type="xbrli:durationItem" substituti onGroup="xbrli:item"
xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
  <element id="hw_Acquisitions2014And2015And2016Member"
name="Acquisitions2014And2015And2016Member" nilIbl="true"
type="nonnum:domainItem" substituti onGroup="xbrli:item" abstract="true"
xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
  <element id="hw_IncrementalSeniorSecuredTermLoanDueMarch2022Member"
name="Incremental SeniorSecuredTermLoanDueMarch2022Member" nilIbl="true"
type="nonnum:domainItem" substituti onGroup="xbrli:item"
xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
  <element id="hw_TermLoanFacilityMember" name="TermLoanFacilityMember"
nilIbl="true" type="nonnum:domainItem" substituti onGroup="xbrli:item"
abstract="true" xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema"
/>
  <element id="hw_BoralLimitedMember" name="Boral LimitedMember" nilIbl="true"
type="nonnum:domainItem" substituti onGroup="xbrli:item" abstract="true"
xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
  <element id="hw_MergerAgreementAcquirerTerminationFee"
name="MergerAgreementAcquirerTerminationFee" nilIbl="true"
type="xbrli:monetaryItem" substituti onGroup="xbrli:item"
xbrli:periodType="duration" xbrli:balance="debit"
xmlns="http://www.w3.org/2001/XMLSchema" />
  <element id="hw_MergerAgreementAcquireeTerminationFee"
name="MergerAgreementAcquireeTerminationFee" nilIbl="true"
type="xbrli:monetaryItem" substituti onGroup="xbrli:item"
xbrli:periodType="duration" xbrli:balance="debit"
xmlns="http://www.w3.org/2001/XMLSchema" />
  <element id="hw_AgreementAndPlanOfMergerToAcquireHeadwatersInc.Member"
name="AgreementAndPlanOfMergerToAcquireHeadwatersInc.Member" nilIbl="true"
type="nonnum:domainItem" substituti onGroup="xbrli:item" abstract="true"
xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
  <element
id="hw_BusinessAcquisitionConditionalMonthlyIncreaseInAcquisitionSharePrice"
name="BusinessAcquisitionConditional MonthlyIncreaseInAcquisitionSharePrice"
nilIbl="true" type="num:perShareItem" substituti onGroup="xbrli:item"
xbrli:periodType="instant" xmlns="http://www.w3.org/2001/XMLSchema" />
  <element id="hw_RetentionAgreementsMember" name="RetentionAgreementsMember"
nilIbl="true" type="nonnum:domainItem" substituti onGroup="xbrli:item"
abstract="true" xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema"
/>
  <element id="hw_RetentionAgreementsTotalCommitments"
name="RetentionAgreementsTotal Commitments" nilIbl="true"
type="xbrli:monetaryItem" substituti onGroup="xbrli:item"
xbrli:periodType="duration" xbrli:balance="debit"
xmlns="http://www.w3.org/2001/XMLSchema" />
  <element id="hw_RetentionAgreementsAmountsExpensed"
name="RetentionAgreementsAmountsExpensed" nilIbl="true"
type="xbrli:monetaryItem" substituti onGroup="xbrli:item"
  </pre>
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  xbrli:periodType="duration" xbrli:balance="credit"
  xmlns="http://www.w3.org/2001/XMLSchema" />
  <element
  id="hw_RetentionAgreementsRequiredTermOfContinuousEmploymentAfterClosingDateForPaymentEligibility"
  name="RetentionAgreementsRequiredTermOfContinuousEmploymentAfterClosingDateForPaymentEligibility"
  nillable="true" type="xbrli:durationItemType"
  substitutionGroup="xbrli:item" xbrli:periodType="duration"
  xmlns="http://www.w3.org/2001/XMLSchema" />
  <element
  id="hw_RetentionAgreementsAcquirerTerminationRequiredTermOfContinuousEmploymentAfterClosingDateForPaymentEligibility"
  name="RetentionAgreementsAcquirerTerminationRequiredTermOfContinuousEmploymentAfterClosingDateForPaymentEligibility"
  nillable="true" type="xbrli:durationItemType"
  substitutionGroup="xbrli:item" xbrli:periodType="duration"
  xmlns="http://www.w3.org/2001/XMLSchema" />
  <element
  id="hw_AcceleratedAmortizationOfDebtIssuanceAndDebtDiscountCostsPartialDebtRepayment"
  name="AcceleratedAmortizationOfDebtIssuanceAndDebtDiscountCostsPartialDebtRepayment"
  nillable="true" type="xbrli:monetaryItemType" substitutionGroup="xbrli:item"
  xbrli:periodType="duration" xbrli:balance="debit"
  xmlns="http://www.w3.org/2001/XMLSchema" />
  <element id="hw_CashPerformanceUnitAwardsPaymentAxis"
  name="CashPerformanceUnitAwardsPaymentAxis" nillable="true"
  type="xbrli:stringItemType" substitutionGroup="xbrl:dt:dimension" abstract="true"
  xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
  <element id="hw_CashPerformanceUnitAwardsPaymentDomain"
  name="CashPerformanceUnitAwardsPaymentDomain" nillable="true"
  type="nonnum:domainItemType" substitutionGroup="xbrli:item" abstract="true"
  xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
  <element id="hw_CashPerformanceUnitAwardsTrancheOneMember"
  name="CashPerformanceUnitAwardsTrancheOneMember" nillable="true"
  type="nonnum:domainItemType" substitutionGroup="xbrli:item" abstract="true"
  xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
  <element id="hw_CashPerformanceUnitAwardsTrancheTwoMember"
  name="CashPerformanceUnitAwardsTrancheTwoMember" nillable="true"
  type="nonnum:domainItemType" substitutionGroup="xbrli:item" abstract="true"
  xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
  <element id="hw_CashPerformanceUnitAwards2017GrantsMember"
  name="CashPerformanceUnitAwards2017GrantsMember" nillable="true"
  type="nonnum:domainItemType" substitutionGroup="xbrli:item" abstract="true"
  xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
  <element id="hw_PercentageOfPerformanceUnitAwardPaymentsDue"
  name="PercentageOfPerformanceUnitAwardPaymentsDue" nillable="true"
  type="num:percentItemType" substitutionGroup="xbrli:item"
  xbrli:periodType="duration" xmlns="http://www.w3.org/2001/XMLSchema" />
</xsd:schema>

```